CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Pulp and paper factory, Bellingham, Wash., J. H. Bloedel plans, $5,000,000.

Apartment hotel, Newark, N. J., L. Cohan, having sketches made, $4,000,000.

Office, Ottawa, Ont., Dept. Pub. Wks., having plans prepared, $3,000,000.

Factory, Belvedere, Calif., B. F. Goodrich Rubber Co., plans, $2,000,000.

Factory, Jersey City, N. J., American Can Co., having plans prepared, $2,000,000.

Hotel and church, San Francisco, Calif., Methodist Book Concern having plans prepared, $2,000,000.

Railway, Ontario, Temiskaming & Northern Ontario R.R., plans, $1,500,000.

Theatre, Akron, O., H. H. Feiber and M. A. Shea, plans, $1,500,000.

Lodge, Martinez, Calif., St. Marys College having plans prepared, $1,500,000.

Paving, Centerville, Tex., Leon Co., bond election in June, $1,250,000.

High school, Hyde Park, (Ind. br. Boston), Mass., City, Schoolhouse Dept. having revised plans prepared, $1,200,000.

Club, Windsor, Ont., Deauville Beach Club, plans prepared, $1,000,000.

Grade crossing elimination, Cleveland, O., City and N. Y. Central R.R. Co., making plans, $1,000,000.

Hotel, Pittsburgh, Pa., J. I. Simon, having plans prepared, $1,000,000.

Medical, Dallas, Tex., Carey-Snider Investment Co., soon lets contract, $1,000,000.

Bakery and warehouse, Chicago, Ill., Bids about June 16, by Consumers Sanitary Coffee & Butter Stores, $1,000,000.

Hotel, Elizabeth, N. J., bids about June 1, by Chambers of Commerce Hotel Co., $1,000,000.

Bids Received

Subway, New York, N. Y., Bd. Transportation from Mason & Hanger, New York City, $22,467,000.

Contracts

Mill, Quebec, Que., Anglo Canadian Pulp & Paper Co., to W. Bishop & Co., Montreal, $2,000,000.

Railway, Ontario and Quebec, Nipissing Central Ry. to Angus & Taylor, Ltd., North Bay, Ont., $1,500,000.

Railway, Ontario, Temiskaming & Northern Ontario R.R. Co., to H. F. McLean, Ltd., Montreal, Que., $1,500,000.

Loft, New York, N. Y., Three Hundred Eighty-Six 4th Ave. Corp., will build by separate contracts, $1,250,000.

Apartment and store, Chicago, Ill., Marle Building Corp. c/o archts., to Complete Artificial Stone Co. and others totalling, $1,100,000.

Cathedral, Springfield, Ill., Catholic Bishop of Springfield, c/o archt. general contract to Mathew Rauen & Co., Chicago, $1,000,000.

Factory, Newark, N. J., Griffith Piano Factory, general contract to Essex Constr. Co., and others totalling, $1,000,000.

Pasteurizing Plant, Newark, N. J., Bordens Farm Products Co., general contract to H. D. Best Co., New York City, $1,000,000.

Classified Index of Bids Wanted

Waterworks

Bids close		*See Eng. News-Record*
May 31	Many, La.	May 26
May 31	Silver Lake (mail Cuyahoga Falls), O.	May 12
May 31	Winnfield, La.	May 19
May 31	Phila., Pa.	May 26
May 31	Burlington, N. C.	May 26
June 1	Youngstown, O.	Mar. 17
June 1	Detroit, Mich.	May 5
June 1	Rossland, B. C.	May 26
June 2	Gordon, Neb.	May 26
June 3	Boston, Mass.	May 19
June 3	St. George, N. Y.	May 26
June 6	Elmhurst, Ill.	May 26
June 7	Maud, Okla.	May 26
June 7	St. Clair Shores, Mich. Adv. May 26.	May 26
June 7	La Mesa, Calif.	May 26
June 8	Meriden, Conn. Adv. May 26.	May 26
June 14	St. Louis, Mo.	May 26
June 20	Grand Haven, Mich. Adv. May 26.	May 26
June 27	Galesburg, Ill. Adv. May 26.	May 26
July 25	Buenos Aires, Argentine Adv. May 19 and 26.	May 26

Sewers

May 27	Reading, Mass.	May 26
May 28	Willowick, O.	May 26
May 29	Birmingham, Ala.	May 5
May 29	Boston, Mass.	May 19
May 31	Winnfield, La.	May 19
May 31	Silver Lake (mail Cuyahoga Falls), O.	May 12
May 31	Bay (br. Cleveland), O.	May 26
May 31	Tampa, Fla.	May 26
May 31	Manasquan, N. J. Adv. May 19 and 26.	May 26
May 31	New York, N. Y.	May 26
June 2	Chicago, Ill.	May 26
June 3	Pontiac, Mich.	May 26
June 7	Maud, Okla.	May 26
June 7	Glendale, Calif.	May 26
June 8	Phila., Pa.	May 26
June 8	Detroit, Mich. Adv. May 19 and 26.	May 19
June 14	Cleveland, O.	May 26
June 14	Sturgis, Ky.	May 26
June 29	Birmingham, Ala.	May 26
July 7	Louisville, Ky.	May 12

Waste Disposal

May 27	Long Island City, N. Y.	May 26
June 2	Milwaukee, Wis.	May 26

Bridges

Bids close		*See Eng. News-Record*
May 27	New Hampshire	May 19
May 30	Miami, Fla. Adv. May 19 and 26.	May 19
May 31	Toronto, Ont.	Apr. 14
May 31	New York and New Jersey	May 12
May 31	Maryland	May 19
May 31	New Orleans, La.	May 26
May 31	Bradley, Okla.	May 26
June 1	Illinois	May 26
June 1	Glassport, Pa.	May 26
June 1	Haddon Heights, N. J.	May 26
June 1	Hoosick Falls, N. Y. Adv. May 19 and 26.	May 19
June 2	Wisconsin	May 26
June 2	Rocky Point, N. C.	May 26
June 6	Miami, Fla. Adv. May 19 and 26.	May 19
June 6	Sarasota, Fla. Adv. May 19 and 26.	May 19
June 6	La Moine, Calif.	May 26
June 6	Osceola, Mo.	May 26
June 6	San Jose, Calif.	May 26
June 7	Minneapolis, Kan.	May 19
June 7	Jackson, Miss.	May 26
June 8	West Virginia Adv. May 26.	May 26
June 8	New York, N. Y.	May 26
June 8	Redding, Calif.	May 26
June 13	Omaha, Neb.	May 26
June 14	Hartford, Conn. Adv. May 19 and 26.	May 19
June 15	Point Pleasant, N. J.	May 26
July 6	Louisiana Adv. May 26.	May 26
July 7	Florida Adv. May 26.	May 26

Dams

June 7	Peterborough, Ont.	May 26

Excavation, Drainage, Irrigation. Levees, River and Harbor

May 27	Tully, N. Y.	May 12
May 27	Quebec	May 26
May 31	Ellis Bay, Que.	May 19
June 1	New Harbor, N. S.	May 26
June 2	Asa (mail Batesville), Miss.	May 26
June 3	New York Adv. May 12 to 26.	May 12
June 3	Grass Valley, Calif.	May 26
June 21	New York Adv. May 26.	May 26

Streets and Roads

Bids close		*See Eng. News-Record*
May 27	Warsaw, Ind.	May 26
May 27	Trenton, N. J.	May 26
May 27	Phila., Pa.	May 26
May 27	Pennsylvania	May 12
May 27	Pennsylvania	May 19
May 27	Fulton, N. Y.	May 19
May 27	New Hampshire	May 19
May 27	Peterborough, Ont.	May 26
May 27	Wash., D. C.	May 26
May 28	Merlin, Ont.	May 26
May 28	Laporte, Ind.	May 19
May 28	Portland, Ind.	May 19
May 28	Columbia City, Ind.	May 19
May 29	Kentucky	May 26
May 30	Owen Sound, Ont.	May 12
May 31	St. Louis, Mo.	May 12
May 31	Virginia	May 19
May 31	St. Louis, Mo.	May 19
May 31	Massachusetts	May 19
May 31	Maryland	May 19
May 31	Winside, Neb.	May 26
May 31	Welland, Ont.	May 26
May 31	Wash., D. C.	May 26
May 31	Wisconsin	May 26
May 31	Westmont, Ill.	May 26
May 31	Exira, Ia.	May 26
May 31	Hernando, Miss.	May 26
May 31	Connecticut Adv. May 26.	May 26
May 31	New York, N. Y.	May 26
May 31	Rockford, Ill.	May 26
May 31	Sioux City, Ia.	May 26
May 31	Huntington, W. Va.	May 26
May 31	Barnaby, B. C.	May 26
May 31	Massachusetts	May 26
May 31	Colorado	May 26
June 1	Rhode Island	May 26
June 1	Illinois	May 26
June 1	Brooklyn, N. Y.	May 26
June 1	Delaware	May 12
June 1	Canton, O.	May 12
June 1	New York Adv. May 19 and 26.	May 19
June 1	Rhode Island Adv. May 19 and 26.	May 26
June 1	Michigan	May 26
June 1	Pocahontas, Ia.	May 26
June 1	Cleveland, O.	May 26
June 2	Birmingham, Ala.	May 26
June 2	Birmingham, Ala.	Apr. 28
June 2	Cedar Rapids, Ia.	May 26
June 2	Wisconsin	May 26
June 2	Glendale, Calif.	May 26
June 3	Wisconsin	May 26
June 3	New York, N. Y.	May 26
June 3	Winchester, Ind.	May 26
June 3	Westmoreland, Kan.	May 26
June 6	East Pittsburgh, Pa.	May 26
June 6	Greensburg, Ind.	May 26

See proposal advertising on page 185

TRADE **"LEADITE"** MARK

Registered U. S. Pat. Office

—*gives good results in Chicago*

When you attend the Convention of the American Water Works Association, at Chicago, you will be visiting another Convention City where Leadite has proven successful.

Read This: Extract from The Annual Report of the City Engineer, City of Chicago to the Commissioner of Public Works, 1924:

"LEADITE USED IN PIPE JOINTS"

"1867 feet of 12-inch pipe were laid. The joints were made with Leadite at a total labor cost of 30 cents per foot which is about ½ of the cost where lead joints are made. There is a further saving in the cost of the material used — Leadite being cheaper per joint than lead. The pipe was tested to a pressure of 125 pounds per square inch before the ditch was backfilled. A test made two weeks later showed *no leakage* indicating that the Leadite joints had completely tightened up."

Laying 12 inch c. i. bell and spigot water main in Chicago with Leadite Joints.

Every water works man abreast of the times knows about LEADITE. LEADITE is an interesting and familiar topic at water works conventions and wherever water works men congregate.

The up-to-date water works man specifies and uses LEADITE.

LEADITE saves at least 75%

LEADITE is the pioneer self-caulking material for c.i. pipe.

Be Sure It Is LEADITE and Accept No Imitations.

THE LEADITE COMPANY, Inc.

Land Title Building, Philadelphia, Pa., U. S. A.

NO CAULKING

Bids close — *See Eng. News-Record*

June 6 Fowler, Ind. ..... May 26
June 6 Los Angeles, Calif. ..... May 26
June 6 Easton, Md. ..... May 12
Adv. May 12 to 26.
June 6 St. Paul, Minn. ..... May 19
June 6 Fowler, Ind. ..... May 19
June 6 Martinez, Calif. ..... May 19
June 6 Angola, Ind. ..... May 19
June 6 Cornwall, Ont. ..... May 19
June 6 New Jersey ..... May 19
Adv. May 19 and 26.
June 6 Jefferson City, Mo. ..... May 26
June 6 Chehalis, Wash. ..... May 26
June 6 Port Orchard, Wash. ..... May 26
June 6 California ..... May 26
June 6 Los Angeles, Calif. ..... May 26
June 6 Redwood City, Calif. ..... May 26
June 6 Oakland, Calif. ..... May 26
June 7 Ventura, Calif. ..... May 26
June 7 Minneapolis, Kan. ..... May 19
June 7 Wabash, Ind. ..... May 19
June 7 Noblesville, Ind. ..... May 19
June 7 Lebanon, Ind. ..... May 19
June 7 Bedford, Ind. ..... May 19
June 7 Boonville, Ind. ..... May 26
June 7 Vincennes, Ind. ..... May 26
June 7 Auburn, Ind. ..... May 26
June 7 Woodbury, N. J. ..... May 26
Adv. May 26.
June 7 West Virginia ..... May 26
Adv. May 26.
June 7 Glendale, Calif. ..... May 26
June 7 Massachusetts ..... May 26
June 7 Maryland ..... May 26
Adv. May 26.
June 8 Salina, Kan. ..... May 19
June 8 Jackson, Miss. ..... May 26
June 9 Russell, Kan. ..... May 19
June 9 West Virginia ..... May 26
Adv. May 26.
June 10 New York ..... May 26
Adv. May 26.
June 10 Iola, Kan. ..... May 26
June 13 New Jersey ..... May 26
Adv. May 26.
June 15 Barberton, O. ..... May 19
June 15 Delaware ..... May 26
Adv. May 26.
June 16 Grove City, Kan. ..... May 26
June 20 Duluth, Minn. ..... May 5
June 24 Tennessee ..... May 26
June 29 Birmingham, Ala. ..... May 12
June 29 Birmingham, Ala. ..... May 26

Buildings—Commercial

May 27 Ft. Wayne, Ind. ..... May 19
May 27 Phila., Pa. ..... May 26
May 31 Springfield, Ill. ..... May 26
May 31 Chester, Ill. ..... May 19
May 31 Uniontown, Pa. ..... May 19
May 31 Baltimore, Md. ..... May 26
May 31 Bay (br. Cleveland), O. ..... May 26
May 31 Aberdeen, S. D. ..... May 26
June 1 Seattle, Wash. ..... Apr. 28
June 1 Lakeland, Ky. ..... May 26
June 2 Canton, O. ..... May 26
June 3 Dorchester (Boston P. O.), Mass. ..... May 26
June 8 Chicago, Ill. ..... May 26
June 30 Bremerton, Wash. ..... May 19

Buildings—Industrial

May 31 St. Louis, Mo. ..... May 12
May 31 Emporia, Kan. ..... May 26

Bids close — *See Eng. News-Record*

June 2 Indiana, Pa. ..... May 26
June 3 Blair, Neb. ..... May 26

Buildings—Educational, Religious

May 27 Cleveland, O. ..... May 26
May 27 Timmins, Ont. ..... May 26
May 30 Drummondville, Que. ..... May 19
May 31 Detroit, Mich. ..... May 26
May 31 College Station, Tex. ..... May 26
May 31 Somersworth, N. H. ..... May 26
June 1 Springfield, O. ..... Apr. 14
June 1 Minneapolis, Minn. ..... May 26
June 2 Revere, Mass. ..... May 26
June 3 Storrs, Conn. ..... May 12
June 3 Wash., D. C. ..... May 26
June 6 Kingston, R. I. ..... May 19
June 6 Garfield Heights (br. Cleveland), O. ..... May 19
June 7 Richmond Hill (Ind. br. Jamaica), N. Y. ..... May 12
June 7 Lake City, Fla. ..... May 19
June 7 Brooklyn, N. Y. ..... May 19
June 8 Wellsboro, N. Y. ..... May 26

Federal Government Work

May 31 Quarters—Chicago, Ill. ..... Apr. 21
May 31 Breakwater—Muskegon, Mich. ..... May 5
Adv. May 5 to 26.
May 31 Light Towers—Key West, Fla. ..... May 12
Adv. May 12 to 26.
May 31 Refrigerating Machinery — Oteen, N. C. ..... May 19
May 31 Rip Rap—New Jersey ..... May 19
June 1 Drains—Montana and North Dakota ..... May 5
June 1 Bulkhead—Pensacola, Fla. ..... May 19
June 1 Pipe Line—New York ..... May 19
June 1 Road—California ..... May 26
June 1 Road—Colorado ..... May 26
June 2 Inspection Boat—New Orleans, La. ..... May 19
Adv. May 19 and 26.
June 2 Road—Colorado ..... May 26
June 3 Canal—Washington ..... Apr. 28
June 4 Dikes—Grand Pass, Mo. ..... May 19
June 6 Repairing Jetty—Miami Beach (br. Miami), Fla. ..... May 26
June 7 Patrol Boat—Staten Island, N. Y. ..... May 26
June 10 Breakwater—Frankfort, Mich. ..... May 12
Adv. May 12 to 26.
June 10 Buildings, etc.—Livermore, Calif. ..... May 12
Adv. May 12 to 26.
June 10 Gates, etc.—Oregon, California ..... May 26
June 11 Repairing Sea Wall—Fort Slocum (Ind. br. New Rochelle), N. Y. ..... May 26
June 11 Dredging—Michigan ..... May 26
Adv. May 26.
June 13 Post Office, etc.—Marianna, Fla. ..... May 12
June 14 Post Office—Red Bluff, Calif. ..... May 12
Adv. May 12 to 26.
June 14 Boat—Huntington, W. Va. May 19
Adv. May 19 and 26.

Bids close — *See Eng. News-Record*

June 14 Water Softening Plant—Waukesha, Wis. ..... May 26
June 15 Turbo Alternator—Parris Island, S. C. ..... May 26
June 16 Boiler—Washington, Pa. May 26
Adv. May 26.
June 16 Piers—Olcott, N. Y. ..... May 26
June 17 Mezzanine—Phila., Pa. ..... May 26
June 17 Dredging—Phila., Pa. ..... May 26
June 21 Garage—New York, N. Y. May 26
June 21 Oil Line—Northport, N. Y. May 26
June 22 Post Office—Bayonne, N. J. ..... May 26
Adv. May 26.
June 22 Reservoir, etc.—Parris Island, S. C. ..... May 26
June 22 Hangar Doors—Anacostia (sta. Wash.), D. C. ..... May 26
June 22 Road—Norfolk, Va. ..... May 26
June 22 Barracks—Guantanamo, Cuba ..... May 26
Adv. May 26.
June 23 Dredging—Delaware and Maryland ..... May 26
Adv. May 26.
June 24 Lockkeepers House—Pittsburgh, Pa. ..... May 26
Adv. May 26.
June 29 Dredging, etc.—Maine ..... May 26
Adv. May 26.

Unclassified

May 27 Asphalt Mixing Plant—Long Island City, N. Y. ..... May 26
May 27 Storage Station—Long Island City, N. Y. ..... May 26
May 28 Swimming Pool—Lakewood (br. Cleveland), O. ..... May 5
May 31 Switching and Central Equipment, etc.—Phila., Pa. ..... May 19
May 31 Barge Terminal—St. Paul, Minn. ..... May 26
June 1 Transmission Line—Ontario ..... May 5
June 1 Sanitary Work—Utica, N. Y. ..... May 19
June 1 Electric Pole Line, Power Station and Cooling Chamber, etc.—Lanigan, Sask. ..... May 26
June 2 Pier and Sheet Piling—Port Maitland, Ont. ..... May 26
June 3 Fire Alarm System—Brooklyn, N. Y. ..... May 26
June 6 Light System—Johnstown, N. Y. ..... May 26
June 8 Refrigeration Equipment—Thiells, N. Y. ..... May 26
Adv. May 19 and 26.
June 10 Stadium—Muskegon, Mich. May 19

Materials

May 27 Rails and Tie Plates—Toledo, O. ..... May 12
May 27 Rail Bonds, Frogcrossings, etc.—Phila., Pa. ..... May 19
May 30 Road Oil—Princeton, Ill. May 26
June 1 Corporation Cocks and Hydrant Repair Parts—New York, N. Y. ..... May 26
June 1 Wire and Cables—Milwaukee, Wis. ..... May 26
June 1 Wire and Cables, etc.—Milwaukee, Wis. ..... May 26
June 2 Steel Shapes, Paint, etc.—Phila., Pa. ..... May 26

News of the Week

Waterworks

Proposed Work

W. Va., Manington — Voted $100,000 bonds, waterworks improvements and purchasing fire equipment. F. A. Burt, mayor. Noted Apr. 14.

La., St. Martinsville — Making preliminary plans 50,000 gal. tank on tower, 25,000 g.p.d. filter plant, pumping equipment, etc. $60,000.

O., Portsmouth—City, J. R. Lyon, serv. dir, plans improving water supply, incl. new pumping station $135,000, equipment for same $31,700, parallel supply main $252,000, outlet from storage reservoir and extention to Young St. $222,600, storage reservoir $580,000, and filtration plant $120,000. C. H. Anderson & J. A. Hiller, 2451 Madison Rd., Highway Park, Cincinnati, engrs.

Mich., Berkley (br. Detroit) — Making plans 150,000 gal. capacity elevated steel water tank on steel tower. Russell A. Murdoch Co., 602-3 Transportation Bldg., Detroit, engrs.

N. D., Harvey — Voted $20,000 bonds, improving and extending waterworks. L. W. Miller, city aud. Noted Apr. 28.

Mo., New Madrid — Takes bids about June 1, 18,350 ft. 4 in. c.i. and 1,000 ft. ¾ in. galvanized pipe, etc. A. C. Moore, Joplin Natl. Bank, Joplin, engr. Noted May 12.

Ark., Clarksville—Making preliminary plans changing source water supply from Spadra Creek to Big Piney Creek, incl. pumps, storage reservoir, mains, etc. $120,000.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.), according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

Okla., Altus—Made plans new 9,600 ft. 14 in. high pressure c.i. mains from here to filter plants. $28,000. Benham Eng. Co., Gumbel Bldg., Kansas City, Mo., engrs.

Okla., Amber—Made preliminary plans new waterworks. $20,000. C. A. Wood, Stillwater, engr.

Okla., Blackwell—Voted $50,000 bonds, waterworks extensions. W. Ritzhaupt, Blackwell, engr. Noted May 5.

Okla., Carter—Voted $31,000 bonds, new waterworks, incl. deep well pumps, etc. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Apr. 14.

Okla., Clinton—Defeated $65,000 bonds, new filter plant, and main extensions. Benham Eng. Co., Gumbel Bldg., Kansas City, Mo., engrs. Noted Nov. 25.

Okla., Indiahoma—Plans new waterworks. $17,000. E. W. Gantt, 1116 West Main St., Oklahoma City, engrs.

Okla., Kingston—Made preliminary plans new well, pump, motor and main extension. $30,000. H. Graham, mayor. Engineer not selected.

Okla., Sayre — Voted $53,000 bonds, waterworks improvements; and $12,000 bonds, sewers in various streets. Noted Mar. 24.

Okla., Tecumseh—Making plans extending 17,000 ft., 6- to 8-in. c.i. mains, etc., in various streets. $35,000. E. W. Gant & Co., 1116 West Main St., Oklahoma City, engrs.

Okla., Terral—Making preliminary plans new pump, motor and main extension.

Constr. News page 334

I make a Permanent Sewer

" can be Laid at Lower Cost

" have the Easy-to-Seal Joints

" provide Free, Maximum Flow

" give Service for Generations

" am Endorsed by Engineers

" am Used Extensively by Cities

" am Preferred by Contractors

I am INDEPENDENT
Reinforced Concrete Pipe

INDEPENDENT
Concrete Pipe Company
202 N. West Street, Indianapolis, Indiana

Waterworks (Continued)

$20,000. J. McGuire, city clk. Engineer not selected.

Calif., Pasadena—Plans 6 and 8 in. c.i. mains in portions Grant St., Linda Vista Ave. and San Gabriel Blvd., etc. B. Chamberlain, city clk.

B. C., West Vancouver — Making plans and takes bids about June 3, waterworks for Eagle Harbour, Gleneagles and Whytecliff subdivisions. $60,000. J. Duncan, Municipal Hall, engr.

Bids Desired

Conn., Meriden—June 8, by C. P. Prann, city engr., filtration plant at Broad Brook Reservoir. $100,000. Norwood Eng. Co., Florence, Mass., engrs.; adv. E. N.-R. May 26. Noted Dec. 2.

N. Y., St. George—June 3, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Parkview and Union Pls., Bard, Bayview, Ebbitts, Garabaldi, Franklin, Hammersley, Hunter Sts., etc. here.

Pa., Phila.—May 31, by Dept. Pub. Wks., Bureau of Water, steel pump chambers for Holly Pumps—Lardner Pumping Sta., Contr. 862; 2,000 tons filter sand, 50 tons each of ½ in. ¼ in. ⅛ in. and 1 in. gravel, Contr. 880; 900 tons 6- to 12 in. and 80 tons 8 and 12 in. c.i. pipe, and 75 fire hydrants, etc., Contr. 881; replacing cornice Torresdale Pumping Sta., Contr. 882; and wiring for stoker motors at Queens Lane Pumping Sta., Contr. 883. G. H. Biles, dir.

N. C., Burlington — May 31, by E. B. Horner, mayor, and Bd. Aldermen, gravity section masonry dam and impounding reservoir, on Stony Creek. A. C. Linberg, Burlington, consult. engr.

La., Many—May 31, by City Clerk, 500 g.p.m. motor driven fire pump, 1 motor driven compressor, 6 in. water well, one 50,000 gal. tank on tower, 125,000 gal. concrete reservoir, 26,000 ft. 2- to 8-in. c.i. pipe, hydrants, valves, etc. $50,000. Swanson-McGraw, Inc., Balter Bldg., New Orleans, engrs. Noted Apr. 28.

O., Bay (br. Cleveland)—May 31, by Village, mains in Carlton Dr. and Osborne Rd. To exceed $15,000. Wight-O'Rourke Co., Guarantee Title Bldg., Cleveland, engrs.

Mich., Grand Haven—June 20, by City, water filtration plant. $100,000. Pearce, Greeley & Hansen, 6 North Michigan Ave., Chicago, Ill., engrs.; adv. E. N.-R. May 26. Noted Mar. 4.

Mich., St. Clair Shores — June 7, by Village through B. DeClaire, clk., c.i. pipe, fittings, hydrants, laying and testing mains, etc. W. J. Lehner, Ulrich Bank Bldg., Mt. Clemens, village engr.; adv. E. N.-R. May 26.

Ill., Elmhurst—June 6, by Village, 4- to 12-in. mains in various streets. $240,000. E. Hancock Eng. Co., 2047 Ogden Ave., Chicago, engrs. Noted Dec. 16.

Ill., Galesburg—June 27, by City, pumping station. Pearse, Greeley & Hansen, 6 North Michigan Ave., Chicago, engrs.; adv. E. N.-R. May 26.

Ill., Springfield—City in market 336 tons various sized c.i. water pipe. W. J. Spaulding, City Hall, Springfield, comr.

Ia., Lisbon—Taking bids and opens same about June 1, 75,000 gal. steel tank on tower, and 3 mi. mains in various streets. $21,000. H. R. Green Eng. Co., Bever Bldg., Cedar Rapids, engr. Noted Jan. 6.

Neb., Gordon—June 2, by K. C. Matheson, city clk., Sect. 1, 100,000, 125,000 or 150,000 gal. tank with hemispherical or elliptical bottom, on 100 ft. tower with 8 in. c.i. or 4 or 6 in. steel riser pipe; Sect. 2, tank and tower foundations; Sect. 3, 1,316 ft. 6 and 8 in. Class "B" c.i. or McWane Precalked DeLavaud and monolithic cast bell and spigot pipe, one 6 x 8 in. c.i. reducer with small end bell, three 6 x 6 x 6 in. c.i. tees with bell ends, etc.; Sect. 4, one 6 in. hub end gate valve and adjustable box. To exceed $15,000. Henningson Eng. Co., Natl. Bldg., Omaha, engrs.

Mo., St. Louis—June 14, by Bd. Pub. Serv., 208 City Hall, 2,100 ft. hurdle dike extension to Dike 15 on St. Louis Co. side Missouri River, at Howards Bend Waterworks Sta. $73,500. L. Day, comr. Water Dept. Noted Apr. 28.

Okla., Maud—June 7, by E. W. Villines, city clk., deep well pump, motor, and extending 8,300 ft. 2- to 6-in. c.i. mains in various streets. $15,000. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Feb. 3.

Calif., La Mesa—June 7, by Directors La Mesa, Lemon Grove & Spring Valley Irrigation Dists., centrifugal booster pump and motor together with valves, fittings and electrical installation; 200,000 gal. redwood tank with cover; also 5,500 ft. 8 in. diam. riveted steel Matheson or equal, pipe and fittings, etc. T. H. King, La Mesa, engr.

B. C., Roseland—June 1, by City Council, reservoir, outlet and overflow chambers, 12 in. c.i. pipe, fittings, etc. $70,000. A. E. Wright, Box 76, engr. Noted Apr. 21.

Argentine, Buenos Aires—July 25, at office J. Ivaldi, secy. Obras Sanitarias de la Nacion, Charcas 1840, 10 mi. 6 x 7 ft. tunnel for water supply of Mendoza, here; adv. E. N.-R. May 26.

Contracts Awarded

Mass., Newton (br. Boston)—For 2,362 lin.ft. rein.-con. culvert, Cheese Cake Brook, to Eng. Serv. & Constr. Co., 220 Devonshire St., Boston, $44,915.

N. Y., Brooklyn — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Coney Island, East New York, Hegeman, Howards Aves., etc., to Norton Constr. Corp., 510 West 149th St., New York City, $24,860. Noted May 5.

N. Y., Long Island City—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Laburnum, Thebes, and Wessington Aves., to Gregory Contg. Co., 351 East 124th St., New York City, $8,498; and in Crescent, 46th, Wyckoff Sts., etc., to Grippo Contg. Co., 85 Webster Ave., $13,873. Noted May 19.

Mich., Detroit—Bd. Water Comrs., 21,110 ft. 6- to 16-in. c.i. mains in 8 avenues, Contr. 1927-4, to R. D. Baker, 1631 Elmhurst Ave., $13,598; 29,998 ft. 6- to 12-in. Contr. 1927-5, to L. J. Clancy, 3137 Canton Ave., $22,594; and 23,980 ft. 6- to 16-in. Contr. 1927-6, to N. G. Hiner, Detroit, $15,089. Grand total $51,281. Noted Apr. 14.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, superstructure for 230 x 250 ft. filter plant, 18 ft. high, and 40 x 112 ft. head house, 26 ft. high, both Bedford stone, enameled brick and tile, at Howards Bend Waterworks Station, on Missouri River, to Dunham Constr. Co., Chemical Bldg., $161,030. Noted Apr. 7.

Tex., Amarillo—City Comn., water and gas distributing systems for Industrial City and Fairview Addition, to Williams Plumbing Co., Amarillo, $60,000.

Okla., Bartlesville — Waterworks improvements, incl. new pumps, c.i. pipe, etc., to Repass Bros., 503 Frankel Bldg., Des Moines, $75,000 cost plus percentage basis. Noted Feb. 24.

Wash., Tacoma—Dept. Light & Water, 15,855 ft. 12- to 20-in. c.i. mains in 6th Ave. and Seashore Dr., to Paine Gallucci & Milone, Tacoma, $73,475 engrs. est. $81,750; and 10,600 ft. 12 and 16 in. in various streets, also c.i. pipe spillway from northend reservoir, to S. A. Moceri, Tacoma, $39,328 engrs. est. $46,335. Noted Jan. 27.

Calif., Sacramento—H. G. Denton, city clk., 8 rapid sand filters for filtration plants, to Holdener Constr. Co., 2603 R St., $266,890. Noted Apr. 21

Ont., Blenheim—P. S. Shillington, town clk., c.i. pipe and castings, to Natl. Iron Co., foot of Cherry St., Toronto, $16,600; elevated tank, to Horton Steel Co., Bridgeburg, $7,600; laying mains, reservoir and pumping station, to G. B. Moogk, Weston, $20,000; hydrants, to Drummond McColl Co., 160 Wellington St., Montreal, $2,339. Grand total $46,539. Noted May 5.

B. C., Vancouver—City Council, 20,000 ft. 6 in. and 5,000 ft. 8 in. centrifugally cast standard de Lavaud iron pipe, to Evans, Coleman & Evans Ltd., foot of Columbia St., $21,075. Noted Apr. 28.

Sewers

Proposed Work

N. Y., Syracuse—Making plans connecting sewers $100,000, extending sludge force main $41,250, shop at sewage disposal plant $14,250, and enlarging Eastwood plans $19,000. G. Holmes, Intercepting Sewer Bd., engr.

Md., Chestertown — See "Streets and Roads."

W. Va., Parkersburg—See "Streets and Roads."

Miss., Kosciusko — Voted $90,000 bonds, sewers in various streets. J. W. Fletcher, city clk.

O., Columbus—Comrs. Franklin Co. making plans 4 mi. 36- to 54-in. sewers in district east of here. $300,000. E. G. Bradbury, Court House, engr.

Mich., Royal Oak (Ind. br. Detroit)—Making plans 8,025 ft. 10- to 42-in. sewers, etc., in Storm Water Sewer Dist. 22. $30,000. Hoad, Decker, Shoecraft & Drury, Ann Arbor, engrs.

Ill., Springfield—Making plans sewage treatment plant in north end of city. $225,000. Pearse, Greeley & Hansen, 6 North Michigan Ave., Chicago, engrs.

Wis., Milwaukee—Bd. Pub. Wks. plans 22,669 ft. 8- to 24-in. sewers in Forest Pl., Elmhurst Rd., Iron, 36th, 38th, Toronto and Montreal Sts., Miller, Pennsylvania, 33rd and Wisconsin Aves. $30,000. F. W. Ullins, sewer engr.

Ia., Lorimor—See "Streets and Roads."

Kan., Pittsburg — Making preliminary plans 5,900 ft. sewers in various streets. $80,000. L. D. Cornelius, City Hall, engr. Noted Nov. 25.

Mo., New Madrid — Takes bids about June 1, 31,315 ft. 8- to 12-in. vitr. clay sewers, 50 manholes, 13 flush tanks, etc., in various streets. A. C. Moore, Joplin Natl. Bank, Joplin, engr. Noted May 12.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, making preliminary plans constructing Cheltenham Dist. Sewer 1, vitr. clay pipe, etc., $3,600; Loughborough Avenue Dist. Sewer 1, vitr. clay and brick pipe, $18,000; and Loughborough Avenue Storm Water Dist. Sewer 2, segmental, block and vitr. pipe, etc., $9,300. W. W. Horner, 300 City Hall, engr.

Tex., Harrisburg—Voted $55,000 bonds, sewers in various streets. Address J. S. Deady, Colorado and Elm Sts., mayor. Noted Apr. 14.

Tex., McLean — Voted $50,000 bonds, sewerage system. C. L. Hasie, Memphis, consult. engr. Noted Apr. 14.

Okla., Altus — Made preliminary plans 21,000 ft. 18 in. vitr. clay sewers, etc., in various streets. $60,000. J. C. Chisum, Altus, engr.

Okla., Eldorado—Made preliminary plans 3 mi. new sewers in all streets. $35,000. Benham Eng. Co., 521 Gumbel Bldg., Kansas City, Mo., engrs. Noted Nov. 25.

Okla., Sayre—See "Waterworks."

Calif., Santa Ana—Plans 16 and 18 in. sewers in southwest section city. To exceed $25,000.

Bids Desired

Mass., Reading — May 27, by Bd. Pub. Wks., sewers and storm water drainage works, Contr. 27, in various streets, $25,000; also furnishing and delivering vitr. salt glazed sewer pipe, Contr. 28, c.i. pipe Contr. 29, manhole and catch basin castings, Contr. 30, to exceed $25,000. F. A. Barbour, Tremont Bldg., Boston, engr.

N. Y., New York—May 31, by H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., sewers in Allerton, Tenbroeck, Mace and Sylvan Aves.

N. J., Manasquan—May 31, by Boro Council, A. B. Appleget, clk., reconstructing and extending sewerage system. Sincerbeau, Moore & Shinn, Asbury Park Trust Co. Bldg., Asbury Park, consult. engrs.; adv. E. N.-R. May 26. Noted Jan. 27.

Pa., Phila.—June 8, by Dept. Pub. Wks., Bureau of Engineering, 64 x 139 ft., rein.-con. and brick pumping station at Northeast Sewage Pumping Sta., Wheatsheaf Lane and Richmond St., Contr. 1; mechanical equipment, pumps, motor, Venturi meters, crane, etc., Contr. 2; electrical work, Contr. 3; plumbing, Contr. 4; and heating, Contr. 5.

Fla., Tampa—May 31, by W. L. Brown, city mgr., sewage disposal plant, Louisiana Ave. and Hillsboro River.

Ala., Birmingham — June 29, by City Com. approximately 2.5 mi. brick, c.i. and terra cotta sewers in 27th Court, 33rd Alley, 32nd Way, Huntsville Rd., 31st and 34th Sts., 27th, 28th and 29th Aves. $167,300. A. J. Hawkins, city engr.

Ky., Sturgis — June 14, by City Clerk, sewers in various streets. $25,000. Black & Veatch, 811 City Natl. Bank Bldg., Paducah, and 700 Mutual Bldg., Kansas City, Mo., engrs. Noted Mar. 10.

O., Bay (br. Cleveland)—May 31, by Village, sewers in West Oviatt and Dover Center Rds. To exceed $25,000. Wight-O'Rourke Co., Guarantee Title Bldg., Cleveland, engrs.

O., Cleveland—June 14, by J. E. Harper, dir. Pub. Welfare, 9th and Oak Sts., Columbus, 8 in. vitr. sewer and 1,200 ft. 6 in. c.i. mains, Hawthorneden Farm of Cleveland State Hospital. $50,000. H. B. Briggs, Ohio-Hartman Bldg., Columbus, engr.

O., Willowick — May 28, by Village, sewers in Lake Shore Blvd., Permanent Homes Allotment, and Brookwood and East Shore Allotment, 4 mi. 12- to 24-in. vitr. tile 1,000 ft. 30- to 48-in. segment or concrete and 8,000 ft. 30 in. pipe, etc. $410,000. Sterling Eng. Co., 7016 Euclid Ave., Cleveland, engrs. Noted Feb. 24.

Mich., Pontiac—June 3, by H. A. Maurer, city clk., Imhoff tank, and 200 ft. 36 in. sewer, etc., at Sewage Disposal Plant. J. R. Pollock, city engr.

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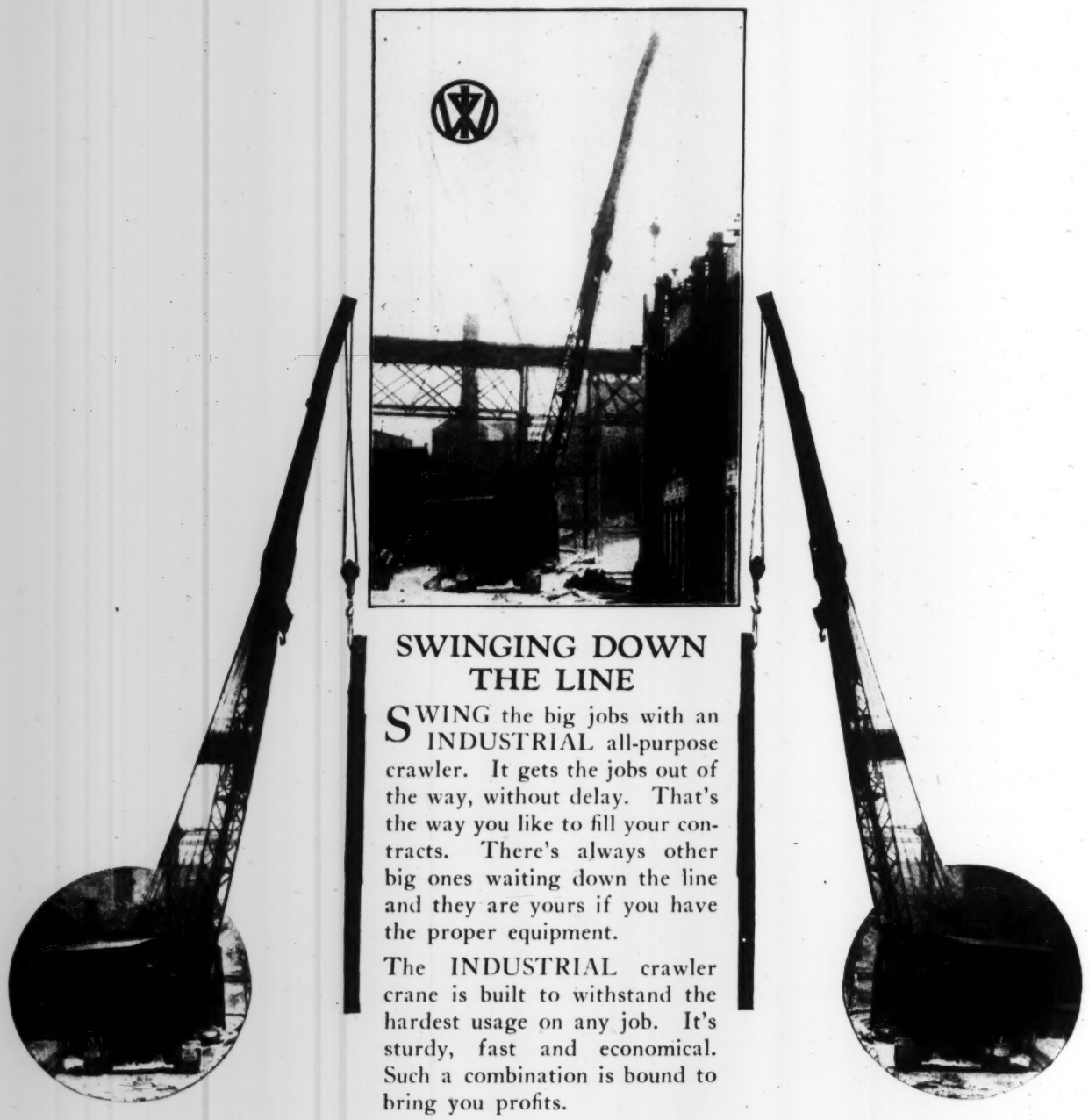

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Sewers (Continued)

Ill., Chicago—June 2, by H. C. W. Laubenheimer, clk. Sanitary Dist. of Chicago, 910 South Michigan Ave., North Shore Intercepting Sewer, Contr. 4; adv. E. N.-R. May 26.

Ill., Staunton — City Clerk taking bids and opens same about June 6, sewers in various streets, 97,800 ft. 6- to 15-in. vitr. clay pipe, 150 ft. 10 in. and 48 ft. 16 in. c.i. pipe, 240 manholes, 36 automatic flush tanks, 75 lampholes, etc. $175,000. W. A. Fuller, 1917 Railway Exch. Bldg., St. Louis, Mo., engr. Noted Oct. 14.

Okla., Maud—June 7, by E. W. Villines, city clk. sewage disposal plant and 33,800 ft. 8- to 12-in. vitr. clay sewers etc. in various streets. $85,000. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Mar. 3.

Calif., Glendale—June 2, by A. J. Van Wie, city clk., constructing sewers, etc. in Sonora, Grover and Grand View Aves., etc. J. F. Johannsen, city engr.

Calif., Glendale—June 7, by A. J. Van Wie, city clk., vitr. sewers, watermains, etc. in Summit and Harvey Drives, etc. To exceed $25,000. J. F. Johannsen, city engr.

Contracts Awarded

Mass., West Roxbury (br. Boston) — Dept. Pub. Wks., Boston, sewerage works in Woodbrier Rd., etc., here, to V. Barletta, 10 Whipple Ave., Roslindale, $32,248. Noted Apr. 7.

Conn., Bridgeport—Inverted sewer siphon beneath Pequonock River, south of Congress St. Highway Bridge, also furnishing and installing mechanically brush cleaned sewer screen, to Merritt-Chapman & Scott Corp., 17 Battery Pl., New York City, approximately $37,000. Noted Apr. 21.

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, sewers in Ocean Parkway, to Del Mel Constr. Co., $3,974; in Drew Ave., to Tomasetti & Co., 1133 60th St., $6,430; in 91st St. and Colonial Rd., to Peconi Contg. Co., 152 East 4th St., $5,007 and $11,196 respectively; in Avenue T and 89th St., to R. Iovino, 678 Glenmore Ave., $1,270 and $256 respectively; and in 56th St., to S. Guerriero, 1024 66th St., $5,357. Grand total $33,490. Noted May 5.

N. J., Dumont—Mayor and Boro Council, sewers and appurtenances in various streets, to L. Jacques Constr. Co., 635 Bailey Ave., Elizabeth, approximately $95,000. Noted Apr. 28.

Md., Baltimore—Bd. Awards, 10,662 lin. ft. 8- to 15-in. vitr. sewers, etc., in miscellaneous districts in Sanitary Contr. 241, to Mattriciano & Palmiere, 229 South Exeter St., $47,911; 4,392 lin.ft. 12- to 18-in. Dist. P-11, Contr. 242, and 2,400 lin.ft. 8- and 10-in. vitr. sewer and storm drains in Dists. H-6 and J-4, Stormwater Contr. 105, to P. Marocco, 638 South Linwood Ave., $31,112 each. Grand total $110,135. Noted Apr. 28.

W. Va., Huntington—For 4th Unit 4-Pole Trunk Sewer from 8th to 16th Sts., single ring brick pipe, to J. Greenwade, Huntington, $33,763.

O., Cleveland—To A. J. Galvin, 16509 Claire Ave., 1,580 ft. 12- to 24-in. vitr. tile sewer in Fairville Ave.; to Cuyahoga Sewer Constr. Co., 3407 East 114th St., 490 ft. 12- to 15-in. Harris Court, $3,103; to Huron Constr. Co., 640 Huron Rd., 905 ft. 12- to 15-in. Kadel Ave., $3,137; to Iafornaro & Nero Constr. Co., Union Mortgage Bldg., 1,840 ft. 12- to 24-in. Mohican Ave., $5,363; to Amata Constr. Co., 12506 Union Ave., 2,680 ft. 12- to 24-in. Portman Ave., $11,978; to W. B. Smith, 1350 West 89th St., 2,620 ft. 12- to 24-in. Tuland Ave., $10,221, 580 ft. West 136th St. (Sect. 1) $1,897, and 465 ft. West 136th St. (Sect. 2) $1,534; to Assad Constr. Co., 3129 Scranton Rd., 380 ft. 12 in. East 50th Pl. $1,387, and 585 ft. West 135th St. $2,297; to Kassouff & Co., 2600 Althen Ave., 1,340 ft. Flamingo Ave. $5,437, 1,460 ft. Poncianna Ave., 6,080, 1,800 ft. 12- to 20-in. vitr. tile and 35 ft. 4 ft. concrete West 140th St. $8,267, 1,180 ft. 3 ft. brick, etc., West 143rd St. $17,581; also to Janashak & Callow, 13606 Union Ave., deepening channel of Big Creek, 7,075 cu.yd. excav., $10,321.

O., Maple Heights (br. Bedford)—Storm and sanitary sewer in Woodbrook and Corkhill Rds., to Hadded-Mall Co., Schofield Bldg., Cleveland, $17,744 and $18,744 respectively. Noted Apr. 28.

O., Parma (br. Cleveland)—Sewer and water main in Russell, Lincoln, and Tuxedo Aves., to Yahya Bros., 3333 Woodbridge Ave., Cleveland, $67,881; and sewer, etc., Homestead and Torrington Aves., to E. P. Langenhan Constr. Co., Marshall Bldg., Cleveland, $16,562.

Mich., Detroit — Dept. Pub. Wks., vitr. crock sewers, etc. in Lateral Sewer 4754, and Lateral Sewer 4758, to Oakwood Constr. Co., Oakwood Ave., $16,300 and $12,075 respectively; Lateral Sewer 4757, to Franklin Constr. Co., $20,528; Lateral Sewer 4827, to A. Rossi, 5307 Pennsylvania Ave., $1,694; and Lateral Sewer 4788, to Central Contg. & Eng. Co., 17576 Wyoming Ave., $8,954. Grand total $59,548.

Ill., Calumet City—Calumet City Relief Sewer, to Pub. Constr. Co., Hammond, Ind., $1,279,289.

Mo., Sedalia—City Clerk, 573 ft. 8- to 24-in. vitr. clay sewers, and disposal plant, in Southwest Dist., to Hamilton Constr. Co., and A. C. Cormstock, Bartlesville, Okla., $193,221. Noted Apr. 28.

Tex., Amarillo—For 59,878 ft. vitr. clay sewers in North Amarillo, to Kirkwood, Wharton & Lee, 231 West Commerce St., San Antonio, $62,368. Engrs. est. $75,000. Noted Mar. 31.

Calif., Los Angeles — Bd. Pub. Wks., sewer, etc., in Granville Ave. between Santa Monica and Pico Blvds. to J. Artukovich, 626 North Bunker Hill Ave., $82,215. Noted Mar. 31.

Ont., Dryden—J .E. Gibson, town clk., 3 mi. sewers and 1 mi. water mains, in various streets, to Nelson River Constr. Co., Winnipeg, Man., $45,000. Noted Apr. 21.

Waste Disposal

Proposed Work

N. Y., Troy—Common Council takes bids about June 18, garbage incinerator. $175,000. J. C. Watt, city engr. Noted Feb. 17.

Bids Desired

N. Y., Long Island City—May 27, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., refuse destructor, incl. electrical work, etc., at Graham and Van Alst Aves.

Wis., Milwaukee—June 2, by Dept. Pub. Wks., R. E. Stoelting, comr., three 75 ton garbage furnaces complete.

Contracts Awarded

Md., Baltimore—Bd. Awards, rein.-con. and brick incinerator plant, Phila. Rd. north of Herring Run, to C. L. Stockhausen Co., Gay and Water Sts., $217,322. Noted May 5.

Ia., Cedar Rapids — Complete garbage disposal plant, to Goodman Syndicate, Chicago, Ill. Engrs. est. $125,000.

Ont., Dryden—See "Sewers."

Bridges

Proposed Work

Tennessee—State Dept. Highways & Pub. Wks., Nashville, making surveys bridge over Tennessee River, at Niles Ferry, Monroe Co. To exceed $25,000. C. N. Bass, ch. highway comr.

Tenn., Elizabethtown — Carter Co. and State Dept. Highways & Pub. Wks., Nashville, making surveys bridge over Watauga River, here. To exceed $25,000. C. N. Bass, highway comr.

Illinois—State Dept. Highways & Pub. Wks., Div. Highways, Springfield, making preliminary plans rein.-con. and steel bridge over Kaskaskia River, on Black Diamond Trail, in Carlyle, $150,000; and rein.-con. and steel bridge over Illinois River at East Hardin, Calhoun Co., $400,000. F. T. Sheets, ch. highway engr.

Kan., Girard—See "Streets and Roads."

Kan., Sharon Springs—See "Streets and Roads."

Missouri — State Hy. Comn., Jefferson City, making plans twenty-one 20 ft. rein.-con. slab, two 25 ft. and 30 ft. rein.-con. deck girder, 90 ft., 100 ft. and four 70 ft. steel truss spans in Chariton Co.; two 12 ft. rein.-con. slab spans, St. Clair Co.; three 25 ft., four 35 ft. I-beam and one 80 ft. steel truss spans, etc., in Sullivan Co. T. H. Cutler, ch. engr.

Tex., Carrizo Springs—See "Streets and Roads."

Tex., Panhandle — See "Streets and Roads."

Tex., Vernon—Wilbarger Co. takes bids after June 1, 2,000 ft. rein.-con. bridge across Pease River. $150,000. J. Nabors Co., Vernon, engrs. Noted Apr. 14.

Oklahoma — State Hy. Dept., Oklahoma City, making preliminary plans 1 span 90 ft. steel truss bridge on concrete piers over Otter Creek, on Highway 7, near Hedrick, Jackson Co., $30,000; and 1 span 86 ft. steel truss bridge on concrete piers over Little Washita River, on Road 7, near Neimekah, Grady Co. $35,000. J. M. Page, highway engr.

Bids Desired

N. Y., New York—June 8, by A. Goldman, comr. Plant & Structures, Municipal Bldg., constructing 174th St. bridge over Bronx River, Bronx Boro.

N. J., Point Pleasant—June 15, by New Jersey Bd. Commerce & Navigation, Trenton, 105 ft. steel girder swing span, electrically operated and 35 ft. steel girder approach span over Bay Head-Manasquan Canal, here. Robinson & Steinman, 25 Church St., New York, N. Y., consult. engrs. Noted Apr. 28.

Pa., Bridgeville—Comrs. Allegheny Co., Court House, Pittsburgh, taking bids disposing of old and temporary materials, and constructing Bridge 10 over Chartiers Creek, here. $50,000. Engineer Allegheny Co., 519 Smithfield St., Pittsburgh, engr.

Pa., Glassport — June 1, by Controller Allegheny Co., Court House, Pittsburgh, masonry and approach filling for Clairton Bridge 6 over Monongahela River. $100,000.

West Virginia — June 8, by State Hy. Dept., Charleston, 2 bridges in Fayette Co., 2 in Mason Co., and 1 in Putnam Co. C. B. Carskadon, secy.; adv. E. N.-R. May 26.

N. C., Rocky Point — June 6, Comrs. Pender Co., at office repairing Lanes Ferry Bridge, incl. piling driven around main pier per lin.ft. driven in place, and constructing coffer dam around main draw span pier in water 15 to 18 ft. deep, etc. G. F. Lucas, clk.

Florida—July 7, by State Roads Dept., Tallahassee, bridges on Projects 680 and 681, Road 10, Bay Co. J. L. Cresap, state highway engr.; adv. E. N.-R. May 26.

Miss., Jackson—June 7, by A. J. Johnson, clk., City Hall, rein.-con. bridge, 2,117 cu.yd. concrete, 380,000 lb. reinforcing, etc.

Louisiana—July 6, by State Hy. Comn., Reymond Bldg., Baton Rouge, constructing Chef Menteur and Rigolets Bridge Foundation Piers and Approach Trestle, on Chef Menteur Highway, Federal Aid Projects 201, State Route 2, Sect "D," Unit 1, and Sect "F," Unit 1, Orleans and St. Tammany Parishes. J. M. Fourmy, highway engr.; adv. E. N.-R. May 26.

La., New Orleans — May 31, by Commissioner Pub. Property, 145 ft. plate girder span bridge, 22 ft. over Navigation Canal, here. $56,000. B. Vallas, city engr.

Illinois — June 1, by State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, bridges in Clark, Coles, McHenry, Morgan, Woodford, Jasper and Madison Counties. F. T. Sheets, ch. highway engr.

Wisconsin—June 2, by State Hy. Comn., Div. Office 4, Wisconsin Rapids, constructing Raufman and Hanson Bridges, Saratoga, Wood Co.; and Cold Water Canyon Bridge, town Dell Prairie, Adams Co.; also grading, concrete paving, etc. 10,191 sq.yd. State Aid Project 4267, and 5,675 sq.yd. State Project 4268, Wood Co. G. E. Eldred, asst. div. engr. Noted May 5.

Neb., Omaha—June 13, by G. Berger, clk. Douglas Co., repairing and constructing bridges. To exceed $25,000.

Ark., Little Rock — See "Contracts Awarded."

Mo., Osceola—June 6, by St. Clair Co. Court, superstructure 157 x 14 ft. steel and 36 x 14 ft. approach span bridge over Sac River. L. L. Griggs, highway engr.

Okla., Bradley—May 31, by W. T. Cloud, clk. Grady Co. (Chickasaw), - span 50 ft., steel truss bridge on piers, 27.7 tons truss steel, 7.6 tons reinforcing, etc., here. $25,000. P. A. Little, Chickasaw, engr.

Calif., La Moine—June 6, by State Hy. Dept. Sacramento, six 15 to 56 ft. span rein.-con. girder bridge over Slate Creek, here, Shasta Co. R. M. Morton, Strub Bldg., Sacramento, engr.

Calif., Redding—June 8, by Supervs. Shasta Co., 421 ft. slab and girder type rein.-con. bridge over Little Cow Creek. $27,500 or more. C. F. Mau, Redding, co. surv.

Calif., San Jose—June 6, by H. Pfister, clk. Santa Clara Co., for Alviso Bridge, 142 ft. long, rein.-con. R. Chandler, San Jose, co. surv.

Contracts Awarded

Maryland—State Roads Comn., Baltimore, two 45 ft. double span rein.-con. arch bridge over little Gunpowder River, on Phila. Rd., Contr. B-82, Baltimore Co., to Luten Bridge Co., Ebert Bldg., York, Pa., $13,645; also double span steel and concrete girder bridge over Winters Run, on Phila. Rd., Contr. H-54, Harford Co., to J. L. Robinson Constr. Co., 522 Park Ave., $22,448. Noted Apr. 28.

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Bridges (Continued)

Florida—State Roads Dept., Tallahassee, to E. W. Parker, 305 Cass St., Tampa, Venice Bay Bridge (except bascule span), 150 ft. long $60,331, Hatchet Creek Bridge (except bascule span), 130 ft. long $57,472, Shaket River Bridge, 130 ft. long $46,753, and 165 ft. bridge over Phillippi Creek $45,755, all foregoing on Project 614, Sarasota Co., also 313 ft. bridge over Caloosahatchee River, on Project 589, Lee Co. $39,948, to Hayes & Krocger, Clermont, 120 ft. overpass bridge, at Mascotte, Project 687-A, Lake Co. $16,604, and to Murphy & Pryor, Orlando, 285 ft. bridge, Project 691, Indian River Co. $55,086; to Nashville Bridge Co., foot of Shelby Ave., Nashville, Tenn., bascule span Venice Bay Bridge $18,200, and to General Constr. Co., East Bway. and 15th St., Tampa, bascule span Hatchet Creek Bridge, $18,000, both on Project 614, Sarasota Co. Grand total $358,149. Noted Apr. 14.

O., Dayton — F. A. Kilmer, clk. Montgomery Co. 2 span 408 ft. concrete arch bridge, etc. over Stillwater River, on Ridge Ave., to E. F. Smith, 2050 South Harding St., Indianapolis, Ind. Former contract rescinded. Noted May 12.

Ind., Indianapolis—Bd. Wks., City Hall, remodeling and constructing 120 ft. addition to rein.-con. bridge over White River, on Morris St., to Natl. Concrete Co., 825 Lemcke Bldg., $2 8,500.

Ind., Terra Haute — Pennsylvania R.R. Co., Broad St. Sta., Phila., Pa., T. J. Skillman, ch. engr., constructing new double track bridge over Wabash River, here, to Dravo Contg. Co., 302 Pennsylvania Ave., Pittsburgh, Pa. Engrs. est. $1,000,000. Noted Sept. 30. This corrects report in May 12 issue.

Wis., Kenosha — J. F. Herzog, comr. Kenosha Co., constructing Pike Creek Bridge over Highway 15, to Priddis & Brus, Kenosha, $20,500; and Upson Bridge, on Geneva Rd., to J. Johnson, Whitewater, $18,856.

Wis., Oconomowoc—State Hy. Comn., H. W. Vroman, div. engr., Waukesha, Oakwood Avenue Bridge, here, to P. J. Dunlap, Mt. Horeb, $30,920.

Iowa—State Hy. Comn., Ames, 150 ft. thru plate girder bridge at Cherokee, Cherokee Co., to Wickham Pipe & Bridge Co., Council Bluffs, $47,500; one 70 x 20 ft. pony truss bridge near Villisca, Page Co., to G. W. Condon, 514 Federal Reserve Bldg., Omaha, Neb., $9,585; 5 culverts on Primary Rd. 4, Shelby Co., to Klauer Mfg. Co., Dubuque, $2,195; 22 culverts on U. S. Highway 32, Cedar Co., to Perry Jayne, Cedar Rapids, $11,907; 7 culverts on U. S. Highway 69, Decatur Co., to Wilson Concrete Co., Red Oak, $1,972; 22 culverts on Primary Road 149, Iowa Co., to Federal Bridge Co., 1002 B. T. Bldg., Des Moines, $24,673; 1 culvert near Avoca, Pottawatomie Co., to Material Supply & Constr. Co., Boone, $4,094; and 5 culverts in and near Brighton, Washington Co., to Kramm & Anderson, Des Moines, $2,798. Grand total $104,724. Noted Apr. 28.

Ark., Little Rock—Missouri Pacific R.R. Co., Railway Exch. Bldg., St. Louis, Mo., E. A. Hadley, ch. engr., will repair Baring Cross Bridge, here, incl. 3 new piers, 1 fixed and 1 life steel span, etc., recently damaged by flood, by own forces. $150,000.

Ia., Burlington—Des Moines Co., 1 high truss bridge with approaches on Primary Project 368, to Lundgren-Reis Co., 65 College St., Des Moines, $27,371; also one I-beam bridge and 12 box culverts on same project, to Cameron-Joyce Co., Keokuk, $11,505. Noted Apr. 21.

Ia., Clinton—See "Unclassified."

Kan., Winfield — Cowley Co., McKnab Bridge, one 80 x 20 ft. steel span near New Salem and Spahr Bridge, 90 x 16 ft. steel span, near Cambridge, to Biggs & Pauley, Arkansas City, $12,952 and $11,408 respectively; Polecat Bridge, one 40 ft. and one 30 ft. concrete girder spans, near Rock, and Curman Bridge, 10 x 10 ft. triple box span, to A. F. Lewis, Wellsville, $8,433 and $3,643 respectively. Grand total $36,436. Noted Apr. 21.

Missouri — State Hy. Comn., Jefferson City, to O'Hagan-McVicker Co., Kansas City, 2 each 45 ft. and 30 ft. rein.-con. deck girder spans, etc., over Davis Fork Salt River $13,032, three 40 ft. rein.-con. deck girder spans, etc., over Fish Branch $10,995, and four 40 ft. rein.-con. deck girder spans, etc., over Lick Creek $14,073, all Audrain Co.; to Stonner & Deering, Chamois, two 30 ft. and one 45 ft. rein.-con. deck girder spans, etc., over Linn Creek, Gentry Co., $9,211, and three 35 ft. rein.-con. deck girder spans, etc., over Missouri Pacific R.R. tracks, Lafayette Co. $10,250; also to A. A. Davis, Oklahoma City, Okla., 30 ft. rein.-con. deck girder span, etc., over Roberts Branch, Clinton Co., $5,912. Grand total $63,473. Noted Apr. 21.

Mo., Cassville—Barry Co., 2 concrete and steel bridges, 823 ft. total length, over White River, to M. E. Gillioz, Monett, $89,502. Noted Apr. 7.

Tex., Childress — See "Streets and Roads."

Tex., Crowell—See "Streets and Roads."

Idaho—Commissioner Pub. Wks., Boise, 450 ft. concrete and steel bridge and approaches over Payette River, on Federal Aid Project 54-B, south of Payette, Payette Co., to Portland Bridge Co., Yeon Bldg., Portland, Ore., $69,900. Noted May 5.

Washington—State Hy. Comn., Olympia, 24 ft. concrete T-beam, 18 ft. concrete slab, 2 treated timber trestles with concrete roadway, 47 ft., 47 ft. and 125 ft. long respectively, and 4 x 8 ft., concrete box culvert, on State Rd. 1 between King Co. line and Tacoma, Pierce Co., to P. E. Savage, 729 Tacoma Bldg., Tacoma, $26,750.

Calif., Los Angeles—Los Angeles Co., 4 rein.-con. bridges on Coast State Highway, to H. Whipple, 6372 Hollywood Blvd., $83,100.

Dams

Proposed Work

Tex., Laredo—S. N. Johnson, Laredo, plans dam on San Ildefonso Creek, to impound water to irrigate 988 acres land. Will probably use gravity and pump systems. $40,000 or more incl. machinery. Private plans.

Wash., Seattle—See "Unclassified."

Bids Desired

Ont., Peterborough — June 7, by J. W. Pugsley, secy. Dept. Railways & Canals, Parliament Bldgs., Ottawa, concrete dam at Lock 24, on Trent Valley Canal, here. $250,000. W. A. Bowden, Parliament Bldgs., Ottawa, engr.

Calif., Grass Valley — See "Excavation, Drainage, Irrigation, Levees, River and Harbor."

Railways

Proposed Work

Iowa—Sioux City Serv. Co., Sioux City, plans rails and pave stock yards line, in Sioux City. $90,000.

Texas—Panhandle & Santa Fe Ry. Co. (subsidiary Atchison, Topeka & Santa Fe Ry. Co., C. F. Felt, ch. engr., 80 East Jackson Blvd., Chicago, Ill.), plans 21 mi. line from White Deer Station, Carson Co., to oil producing territory in Carson and Hutchinson Counties, here.

Ontario—Temiskaming & Northern Ontario R.R., North Bay, S. B. Clement, ch. engr., plans 35 mi. railway from Coral Rapids on Abitibi River, westerly to Mattagami River, incl. clearing, grading, ballasting, excavating, bridges, culverts, and 80 lb. rails. $1,500,000.

Bids Desired

Minnesota—See "Unclassified under St. Paul."

California—See "Contracts Awarded."

Contracts Awarded

Ontario and Quebec—Nipissing Central Ry. (subsidiary of Temiskaming & Northern Ontario Ry., S. B. Clement, ch. engr.), North Bay, Ont., extending 27 mi. railway from Cheminis to Rouyn, Que., incl. clearing, close cutting, grubbing, earth and rock excav., grading, concrete culverts and bridges, to Angus & Taylor, Ltd., North Bay, Ont. Engrs. est. $1,500,000. Noted May 5.

Ontario—Temiskaming & Northern Ontario R.R., North Bay, S. B. Clement, ch. engr., extending 30 mi. railway from terminus 60 mi. north of Cochrane, incl. clearing, close cutting, grubbing, grading, fencing, earth and rock excav., filling, timber trestles, concrete and corrugated iron culverts, and concrete abutments, to H. F. McLean Ltd., 211 McGill St., Montreal, Que. Engrs. est. $1,500,000. Noted Apr. 28.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

La., Lake Charles—Lake Charles Harbor & Terminal Dist. voted $500,000 bonds, 800 ft. addition to river terminal wharf, shed, warehouse, etc.

Ky., Hickman—Reelfoot Levee Dist. plans expending $30,000 for levee repair, also 100,000 cu.yd. new construction. H. T. Slade, Hickman, engr.

Bids Desired

New York—June 21, by T. F. Farrell, comr. Canals & Waterways, State Pub. Wks. Bldg., Albany, bank protection at various locations along Erie Canal from Lock 10 to Herkimer-Oneida Co. Line, Contr. 236; adv. E. N.-R. May 26.

Miss., Asa (mail Batesville)—June 2, by Panola Quitman D. D., at office L. B. Lamb, Marks, 500 ft. levee, 15,000 cu.yd. excav., etc. Elliott & Harman Eng. Co., McCall Bldg., Memphis, Tenn., engrs.

Calif., Grass Valley—June 3, by B. W. Baldwin, secy. Nevada Irrigation Dist., constructing Milton Pipe Line, 3,575 cu. yd. solid and 2,600 cu.yd. loose rock excav., or alternate 2,670 cu.yd. solid and 1,670 cu.yd. loose rock excav., etc.; also Milton Diversion Dam, Contr. 19, 380 cu.yd. solid and 2,670 cu.yd. loose rock excav., etc. F. H. Tibbets, Alaska Commercial Bldg., San Francisco, engr.

N. S., New Harbor — June 1, by S. E. O'Brien, secy. Dept. Pub. Wks., Ottawa, Ont., extending breakwater, here. $20,000.

Quebec—May 27, by S. E. O'Brien, secy. Dept. Pub. Wks., Ottawa, Ont., dredging St. Louis River, here. $46,200.

Contracts Awarded

Mass., Gloucester — Commonwealth of Massachusetts, Dept. Pub. Wks., Boston, dredging 22,000 cu.yd. in Lobster Cove, to Bay State Dredging & Contg. Co., 62 Condor St., East Boston. $11,235.

N. Y., New York—T. F. Farrell, comr. Canals & Waterways, State Pub. Wks. Bldg., Albany, dredging at Barge Canal Terminal, Piers 5 and 6, East River, here, Contr. M-31, to Columbia Dredging Corp., 50 Church St., $8,928. Noted Apr. 14.

Ia., Burlington — See "Streets and Roads."

Calif., San Francisco—State Bd. Harbor Comrs., 60,000 cu.yd. rock fill for Islais Creek, to J. P. Holland, 540 Brannan St., at $0.21 per cu.yd. Noted Apr. 28.

Streets and Roads

Proposed Work

New Hampshire—State Hy. Dept., Concord, plans 3 in. on 6 in. gravel paving 0.871 mi. Gorham Hill Rd., in Randolph, 21 ft. $25,000. F. F. Hargraves, Lancaster, engr.

New Hampshire—State Hy. Dept., Concord, plans 3 in. bituminous macadam paving 8,000 sq.yd. road in Plymouth, Grafton Co., 18 ft. $32,000. H. L. Smith, Lakeport, engr.

Massachusets—Dept. Pub. Wks., Boston, plans relocating and rebuilding Littleton Rd. from Harvard Center to Littleton town line. To exceed $25,000. W. F. Williams, comr.

Mass., Charlestown (sta. Boston) — Street Layingout Dept., Boston, plans widening and improving Sullivan Sq., here. $67,000 appropriated. W. J. Sullivan, c/o owner, engr.

Mass., Dorchester (br. Boston)—Dept. Pub. Wks., Boston, plans laying out and constructing Ogden St., Wilmington Ave. and Winstron Rd. as highways, here. $25,000 or more. J. H. Sullivan, com.

R. I., Providence—Plans reconstructing Clarke and Salina Sts. $25,000. Private plans.

Conn., Bridgeport — Takes bids about June 1, bituminous macadam paving 25,000 sq.yd. various streets. To exceed $25,000. J. A. McElroy, City Hall, engr.

New Jersey—State Hy. Comn., Trenton, rejected bids May 2, grading and 8 in. double line rein.-con. paving 4¼ mi. Route 8, Sect. 10, Verona-Singac Rd., Passaic Co. Noted May 5.

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Streets and Roads (Continued)

Md., Betterton—Voted $25,000 bonds, concrete paving all streets.

Md., Chestertown—Voted $100,000 bonds, improving all streets and sewers.

W. Va., Huntington—Barboursville Dist. voted $275,000 bonds, improving roads in Cabell Co. J. M. Oliver, Huntington, co. engr. Noted Apr. 14.

Mississippi — State Hy. Dept., Jackson, soon takes bids improving 231 mi. improved earth roads, sand clay, gravel and macadam surfacing 238 mi., also asphalt, brick and concrete surfacing 55 mi. various roads. H. C. Dietzer, Jackson, engr.

Miss., Belzoni—Humphreys Co. making preliminary plans grading, concrete surfacing, etc., 7 mi. vicinity of Silver City, 18 ft.

Miss., Decatur—Newton Co. voted $225,000 bonds, grading, gravel surfacing, etc., East, West, North and South Highways across county.

Miss., Laurel—Jones Co. soon takes bids grading, hard-surfacing, etc., 2 mi. Jackson Highway from Chantilly St. in East Laurel to Tallahala Creek Bridge, also steel and concrete bridge across Tallahala Creek, 18 ft. H. C. Dietzer, Jackson, engr. Noted Apr. 21.

Tenn., Columbia—Maury Co. and State Dept. Highways & Pub. Wks., Nashville, making surveys improving 10 mi. Columbia-Lewisburg Rd. C. N. Bass, highway comr.

Tenn., Dover — Steward Co. and State Dept. Highways & Pub. Wks., Nashville, making surveys improving 15 mi. Dover-Tennessee River Rd. C. N. Bass, highway comr.

Tenn., Jackson—Making plans and takes bids about July 6, paving, probably concrete, portions various streets. $50,000.

O., Cincinnati—Hamilton Co. plans grading, guttering and concrete repaving, etc., 45,500 sq.yd. Miami Rd. $188,102. E. A. Gast, Court House, engr.

O., Columbus—Franklin Co., made plans grading, and water-bound macadam paving, etc. Norton Rd., Prarie Twp. $59,032. C. C. Lattimer, Court House, surv.

O., Kenmore—Plans walks and paving, etc. Jefferson Ave., 17th, 20th, North 9th and 8th Sts. $100,000. D. Northrup, Kenmore, engr.

Ind., Ft. Wayne—Comrs. Allen Co. making plans brick, concrete or asphalt paving 1.597 mi. Paulding Rd. $47,000, 1.18 mi. Elmhurst Rd. $13,000, 1.55 mi. Calhoun St. $45,000, and 1.019 mi. Van Houten Rd. $16,000. J. H. Johnson, Ft. Wayne, aud.

Ind., Oakland City—Gibson Co. Council making plans paving Oakland City St. $52,149, and Oakland City St. in Columbia Twp. $152,218. A. M. Johnson, Princeton, aud.

Ill., Decatur—Plans grading, curbing, and vibrolithic paving portions East Walnut St. and Oakland Court; also asphalt paving portions Giles St. $43,117. M. P. O'Brien, City Hall, engr.

Ill., Galesburg—Plans grading, curbing, and vitr. brick on concrete paving 6 blocks Florence Ave., 27 ft. $26,665. A. L. Richey, City Hall, engr.

Ill., Granite City—Soon takes bids grading, curbing and 8 in. rein.-con. paving, etc. 15,600 sq.yd. 23rd, Cayuga and 27th Sts. $75,131. W. W. Kerch, 1st Natl. Bank Bldg., engr. Noted Apr. 7.

Ill., Peoria—Plans grading, curbing and rein.-con. paving 12 blocks various alleys, Pecan, Lewis and McBean Sts., 30 and 32 ft. $45,000. W. E. Backes, City Hall, engr.

Ill., Quincy—Adams Co. plans graveling 70 mi. various county state aid roads, 12 ft. $150,000. E. Boyer, Court House, engr.

Ill., Rooks Creek (mail Pontiac)—Rooks Creek Twp. Livingston Co. voted $50,000 bonds, improving roads. G. D. Butzer, Court House, Pontiac, engr.

Ill., Rockford—Plans grading, curbing, sewers and rein.-con. paving 40 blocks 10 streets in 17th Street Dist. $212,000. H. Wolcott, City Hall, engr.

Ill., Rock Island—Plans grading, curbing and rein.-con. repaving 15 blocks 4th Ave. 52 ft. $78,000. W. Treichler, City Hall, engr.

Wis., Antigo—Langdale Co., C. Olsen, highway comr. **(S. T. H. means State Trunk Highway and C. T. H. County Trunk Highway)**, voted $96,000 bonds, grading and graveling S.T.H. 64 $19,000, S.T.H. 47 $6,000, S.T.H. 55 $18,000, C.T.H. E. $7,000, C.T.H. C $9,000, C.T.H. A $9,000, C.T.H. H $12,000, C.T.H. D $5,000, C.T.H. K $6,000, and C.T.H. 63 $5,000. F. M. Sergeant, div. engr.

Ia., Lorimor—Soon takes bids graveling, curbing, guttering and storm sewers in various streets. To exceed $25,000. Henningson Eng. Co., 300 Natl. Bank Bldg., Omaha, Neb., engrs.

Ia., Marion — Soon takes bids grading, curbing and hard surfacing various streets. H. R. Green Eng. Co., Bever Bldg., Cedar Rapids, engrs.

Ia., New London—Soon takes bids grading, curbing and rein.-con. paving 8,540 sq.yd. various streets. Brown & Cook, 108 North Market St., Ottumwa, engrs.

Ia., Sioux City—Soon takes bids curbing, guttering, paving, etc. 35,550 sq.yd. various alleys, 6th Ave., 23rd, 27th, 32nd, 41st, Virginia, Perryway, Helen, Steuben South Glass, South Coral and Glenn Sts. $82,119. L. N. Hintgen, city engr.

Minn., Duluth — St. Louis Co. making plans extending 1.5 mi. Jay Cooke State Park Rd. $40,000. R. Paine, Duluth, co. engr.

Kan., Girard—Crawford Co. made plans grading 3.575 mi. Federal Aid Project 372-B, also one 20 x 24 ft. slab and two 20 x 24 ft. slab span bridges; also grading 6.093 mi. Federal Aid Project 346-C, incl. two 45 x 24 ft. truss span and one 35 x 24 ft. deck girder bridges. J. H. Ludlow, Court House, engr.

Kan., Hutchinson—Reno Co. made plans and soon takes bids concrete paving 4 mi. **U. S.** Highway 50, and 5 mi. U. S. Highway 17, 18 ft. W. A. Stacey, Court House, engr.

Kan., Independence — Montgomery Co. soon takes bids brick or concrete paving, etc., 3.8 mi. Federal Aid Project 198-A; and 4 mi. Federal Aid Project 285-A. H. K. Hibbard, Court House, engr.

Kan., Kansas City—Wyandotte Co. soon takes bids concrete paving, etc. 3.8 mi. Federal Aid Project 309-D, 18 ft. O. K. Williamson, Kansas City, engr.

Kan., Manhattan—Riley Co. soon takes bids grading and concrete paving 4.337 mi. Federal Aid Project 327-D and E, 18 ft., incl. one 60 x 24 ft. truss span, one 20 x 28 ft. slab span, five 8 x 30 ft. multiple box span and six 8 x 30 ft. multiple box span bridges. R. W. Armstrong, Court House, engr.

Kan., Sharon Springs—Wallace Co. soon takes new bids gravel surfacing 24.831 mi. Federal Aid Project 375-A, B and C, incl. three 25 x 20 ft. deck girder span bridges. H. R. Hillman, Court House, engr. Noted Apr. 7.

Missouri — State Hy. Comn., Jefferson City, making plans grading approximately 46 mi. roads in Caldwell, Chariton, Greene, Linn, St. Clair, Stoddard, and Sullivan Counties; 18 ft. chats or concrete paving 13.5 mi. roads in Dade and Newton Counties; and 18 ft. concrete paving 0.5 mi. road in Greene Co. T. H. Cutler, ch. engr.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, making preliminary plans asphalt or warrenite bitulithic repaving Kingshighway between point 84 ft. south of Scott Ave. and south line Forest Park, $46,300; and reconstructing Kingshighway between south line Forest Park and Manchester Ave., $38,400. W. W. Horner, 300 City Hall, engr.

Ark., Harrison—Making preliminary plans grading, curbing, rein.-con. paving, etc. 10 blocks Paving Dist. 5.

Tex., Amarillo—Potter Co. soon takes bids constructing 40 mi. new roads through county to oil fields. $500,000 bonds voted. Noted May 12.

Tex., Anderson—Grimes Co. soon takes bids rein.-con. paving 6.715 mi. Highway 6, Federal Aid Project 471-B, Unit 2 from Waller Co. line to point 4 mi. south of Navasota, $200,000; and 6.15 mi. same road Federal Aid Project 471, Unit 2 from point 4 mi. south of Navasota through Navasota to Brazos Co. line, $182,000. O. A. Seward, Jr., Navasota, engr.

Tex., Carrizo Springs—Dimmitt Co. soon takes bids grading and bridging 10.8 mi. Highway 55, La Pryor-Carrizo Springs Rd. $92,000. J. G. Lott, Carrizo Springs, engr.

Tex., Cotulla—La Salle Co. voted $600,000 bonds, constructing Highway 2, and highway extending east and west across county. V. B. Harris, Cotulla, co. engr. Noted Apr. 14.

Tex., Cotulla—La Salle Co. plans hard paving 17 mi. San Antonio-Laredo Rd., and 13 mi. Highway 2. $600,000. V. Harris, Cotulla, engr.

Tex., Cross Plains—Voted $30,000 bonds, paving Main St. Address F. M. Gwin, mayor.

Tex., Crowell—Foard Co. making plans, etc., grading, bridging and paving new Lee Highway and surfacing Foard City and Margaret Rd. $600,000. Address County Engineer, c/o J. E. Atcheson, co. judge, Crowell.

Tex., Crowell—Voted $400,000 bonds, constructing Lee Highway (State Highway 28) also Foard City and Margaret Rds. J. E. Atcheson, Crowell, co. judge. Noted Dec. 16.

Tex., Tyler — Making plans and takes bids about June 1, curbing, guttering and hard paving 40 blocks various streets. $110,000. Address City Engineer.

Tex., Harlington—Voted $135,000 bonds, paving and sewers in various streets. D. W. Schuebach, city secy. Noted Apr. 14.

Tex., Harrisburg—Voted $55,000 bonds, paving various streets. Address J. S. Deady, Colorado and Elm Sts., mayor.

Tex., Panhandle — Carson Co. making plans grading, bridging, etc., 14.45 mi. Highway 33, 26 ft. $40,700. L. O. Cox, Panhandle, co. engr.

Oklahoma—State Hy. Dept., Oklahoma City, made plans and surveys grading, concrete surfacing, etc. 58,000 sq.yd. State Road 18, Pottawatomie Co., $140,000; grading, etc. 14 mi. State Road 9, Greer Co. $70,000 1.5 mi. State Road 11, Harper Co. $50,000, and 7 mi. State Highway 7, Grady Co. $47,000, all 30 ft. J. M. Page, highway engr.

Oklahoma—State Hy. Dept., Oklahoma City, making surveys grading etc. 12 mi. Gracemont-Anadarko Rd., State Highway 8, 30 ft. Caddo Co. $60,000. J. M. Page, highway engr.

Okla., Bartlesville — Soon takes bids grading, curbing, concrete paving, etc., portions 3 alleys, Johnstone Ave., 14th and Mill Sts. J. E. McCormick, City Hall, engr.

Okla., Blackwell—Soon takes bids grading, curbing and concrete or brick paving 16 blocks 2 alleys, West Lawrence Ave., West Lincoln, South 4th, South 8th, West Bridge and West College Sts. W. Ritzhaupt, Jr., City Hall, engr.

Okla., Drumright—Soon takes bids grading, curbing, 6 in. concrete paving, etc., portions Cinmmaron and Grand Aves. in Paving Dist. 5. $39,000.

Okla., Maud—Making preliminary plans grading, curbing and concrete paving 22,000 sq.yd. business section, $75,000; and 47,660 sq.yd. Main, Bway., Oxford and King Sts. $186,000. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla, Newkirk—Kay Co. rejected bids Apr. 4, grading, curbing, 6 in. concrete paving, etc. 38,000 sq.yd. various streets. E. A. Jones Eng. Co., 302 Stephenson Bldg., Enid, engr. Noted Mar. 31.

Okla., Oklahoma City—Defeated $42,000 bonds, improving portions Blackwelder and 46th Sts. B. M. Hart, City Hall, engr. Noted Dec. 16.

Okla., Wewoka—Voted $237,000 bonds, grading and concrete paving 60,400 sq.yd. Dist. 9. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Mar. 24.

Wash., Tacoma—J. C. Manley, city engr., takes bids in June, concrete or asphalt paving all (unpaved) streets between North J St. and 6th Ave. from Division Ave. to Steele St. for City. $140,324.

Calif., Hawthorne—Takes bids about July 12, grading, curbing, guttering, walks and asphalt paving, etc. East Caroline Ave. $25,000. L. H. Peffer, City Hall, engr.

Calif., Huntington Park—Voted $240,000 bonds, paving, etc. Pacific Ave. between Slauson and Florence Aves. $240,000. H. S. McCurdy, city engr.

Calif., Los Angeles—Takes bids about July 12, paving Winans Dr. and Vasanta Way Impvt. Dist., $40,000; curbing, walks and 8 in. paving 0.8 mi. Vanowen St. $45,000, and 4.75 mi. Devonshire St.; also curbing, guttering and 5 in. asphaltic concrete paving 8.5 mi. West Sherman Way, $140,000. J. C. Shaw, City Hall Annex, engr.

Calif., Merced — P. J. Thornton, surv. Merced Co., making revised specifications 2 mi. Willite and 12½ mi. 2 in. asphalt on waterbound macadam paving Hilmar-Stevinson section. To exceed $150,000. Former contract rescinded. W. E. Bedesen, Shaffer Bldg., engr. Noted Apr. 7.

Calif., Petaluma—Plans probably concrete paving Acqusition and Impvt. Dist. 1. To exceed $25,000.

Calif., San Bernardino—San Bernardino Co. making plans 4 in. concrete paving, etc., portions 4th Ave. and Mountain Dr., etc. To exceed $25,000. H. Way, co. surv.

Calif., Santa Cruz—Rejected bids grading, 28,899 lin.ft. 6- to 12-in. sewers, and concrete paving, etc., 9,888 sq.ft. Bay and State Sts., etc. Project indefinitely abandoned. Noted Apr. 28.

Bids Desired

Massachusetts—May 31, by Dept. Pub. Wks., Boston, bituminous concrete paving 2,257 ft. highway in Walpole; bituminous macadam paving 4,842 ft. in Canton and Milton; and hard paving 2,800 ft. in Savoy. W. F. Williams, comr.

Massachusetts — June 7, by Dept. Pub. Wks., Boston, rein.-con. paving 24,791 ft. highway in Westport; bituminous macadam paving 14,025 ft. in Worcester and Holden, and 2,900 ft. in West Springfield. W. F. Williams, comr.

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Streets and Roads (Continued)

Rhode Island—June 1, by State Bd. Pub. Roads, State House, Providence, rein.-con. paving 2.4 mi. Contr. 2707, Federal Aid Project 40, in Warwick; and bituminous macadam paving 1.6 mi. Contr. 2709; adv. E. N.-R. May 26.

Connecticut — May 31, by State Hy. Dept., Hartford, paving, etc. in Durham, North Branford, Greenwich, Darien, Norwalk, Stratford, Fairfield and Westport, Hebron, Farmington, Bethel, Waterbury, Middlebury, Guilford, Madison, East Hartford and Berlin; bridges in East Windsor, Mansfield, Brooklyn, Fairfield and Westport, Putman and Voluntown. J. A. Macdonald, Hartford, highway comr.; adv. E. N.-R. May 26.

New York—June 10, by A. W. Brandt, comr. Highways, Albany, improving roads in Montgomery and Nassau Counties; also reconstructing roads in Albany, Cayuga, Cortland, Fulton, Jefferson, Livingston, Montgomery, Oneida, Onondaga, Orange, Rockland, Schenectady, Steuben, and Washington Counties; adv. E. N.-R. May 26.

N. Y., New York—May 31, by H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., grading Cruger Ave.; bituminous concrete on cement paving Marion and Teller Aves.; and sheet asphalt on concrete paving Needham, Mohegan and Fetley Aves.

N. Y., Brooklyn—June 1, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, grading Lenox Rd., Atkins Ave., East 2nd, East 5th, 90th Sts., etc.; grading, curbing and sheet asphalt paving Grevesend, Lefferts and Flushing Aves., East 15th, East 35th, East 40th, Navy, West 4th, 53rd, 78th, 82nd, 90th Sts., etc.

N. Y., New York—June 3, by H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., bituminous concrete on cement paving West 174th St. and West Tremont Ave. from University Ave. to Loring Pl.; granite block on concrete paving West Tremont Ave. from Loring Pl. to Sedgwick Ave.; also sheet asphalt paving Morris Ave.

New Jersey — June 13, by State Hy. Comn., Trenton, grading and 8 in. double line rein.-con. paving Beaver Lake-Hamburg Rd., Route 8, Sect. 9, Sussex Co.; and 74,383 sq.yd. Yellow Frame-Blairstown Rd., Route 8, Warren Co. A. L. Grover, ch. clk.; adv. E. N.-R. May 26.

N. J., Haddon Heights—June 1, by Bd. Freeholders Camden Co., (Camden) and Atlantic City R.R. Co., C. Dillenbeck, ch. engr., Reading Terminal, Phila. Pa., at Court House, Camden, grading and paving, also steel superstructure Bridge 5-22, on line Kings Highway, north of here, in Haddon Heights and Audubon Boros. J. J. Albertson, Court House, Camden, co. engr.

N. J., Trenton—May 27, by City Comn., asphalt paving 10 streets. $300,000. J. E. English, city engr. Noted Apr. 7.

N. J., Woodbury—June 7, by Bd. Freeholders Gloucester Co., Court House, graveling 12,001 sq.yd. and rein.-con. paving 21,845 sq.yd. Woodbury-Clements Bridge Rd., here. W. C. Cattell, co. engr.; adv. E. N.-R. May 26.

Pa., Ambridge—A. W. Johns, boro mgr., taking bids grading, curbing and concrete paving 3,196 sq.yd. 11th St. between Merchant St. and Ohioview Ave. $50,000. Address Boro Engineer, Boro Hall.

Pa., East Pittsburgh—June 6, by Boro Secretary, grading, curbing, and paving Main St., Electric, and Braddock Aves., etc. $100,000. Harrop & Hopkins, 801 Home Trust Bldg., Pittsburgh, engrs.

Pa., Phila.—May 27, by Dept. City Transit, H. E. Ehlers, dir., granite block on concrete repaving 1,709 sq.yd. Broad St., 69 ft., at Broad Street Subway, Contr. 164.

Delaware—June 15, by State Hy. Dept. Dover, grading, walks and concrete paving, etc. 1,000 cu.yd. Wilmington Bridge Approaches, Contr. 72B; also grading and concrete paving, etc. 5.7 mi. Dublin Hill-Wooden Hawk, Contr. CS58; adv. E. N.-R. May 26.

Maryland — June 7, by State Roads Comn., Baltimore, concrete paving 6 mi. Contr. A-41, Allegany Co., 1.1 mi. Contr. F-73 Frederick Co.; and 1 mi. Contr. Wo-36 Worcester Co.; also sheet asphalt paving 0.5 mi. Contr. BC-68, Baltimore Co. J. N. Mackall, chn.; adv. E. N.-R. May 26.

D. C., Wash. — May 27, by District Comrs., District Bldg., grading 80,000 cu.yd. certain streets.

D. C., Wash. — May 31, by District Comrs., District Bldg., concrete curbing and guttering various streets.

West Virginia—June 7, by State Hy. Dept., Charleston, improving 50.1 mi. roads in Clay, Kanawha, Mercer, Wyoming, Morgan, Ohio, Wetzel, Braxton, Mineral, Randolph and Grant Counties. E. B. Carskadon, secy.; adv. E. N.-R. May 26.

West Virginia—June 9, by State Hy. Dept., Charleston, improving 59.44 mi. roads in Greenbrier, Wayne, Lewis, Preston, Taylor, Webster, Jefferson and Pendleton Counties. E. B. Carskadon, secy.; adv. E. N.-R. May 26.

Ala., Birmingham—June 2, by City Com. curbing, guttering, walks, 2 in. asphalt on 6 in. concrete paving 4 blocks 7th and 6th Aves. W., 30 ft. $20,500, curbing, guttering, walks and 1½ in. asphalt on reconstructed macadam paving 4 blocks 1st Ave. S., 30 ft. $13,400; also grading, curbing, guttering, walks and 2 in. asphalt on 6 in. concrete paving 5 blocks 30th St., 50 ft., $52,800. A. J. Hawkins, city engr.

Ala., Birmingham—June 29, by City Com., grading, 6 in. concrete and 2 in. bitulithic paving, etc. 6 blocks 5th Ave. and Georgia Rd., $39,100; reconstructing broken and worn out concrete curbs and gutters, and 2 in. asphalt on 5 in. concrete surfacing 2 blocks Lanark Rd., $14,000, both 40 ft. A. J. Hawkins, city engr.

Miss., Hernando — May 31, at office Chancery Clerk, improving 3.999 mi. Federal Aid Project 189-A between Memphis and Holly Springs, De Soto and Marshall Counties, 33,765 cu.yd. excav., 56,965 cu.yd. borrow, 16,823 lb. reinforcing, 9,430 cu.yd. gravel 1 mi. haul, 5,017 units overhaul, 3.14 mi. Bermuda sod, 4,584 ft. untreated and 107,013 ft. treated lumber, 4,265 ft. creosoted piling, etc. H. C. Dietzer, Court House, Jackson, engr.

Miss., Jackson—June 8, by Bd. Supervs. Hinds Co., grading, bridging, etc. 7.575 mi. Federal Aid Project 184-B. H. C. Dietzer, Jackson, engr. Noted May 12.

Tennessee — June 24, by State Dept. Highways & Pub. Works, Nashville, road and bridge work in 10 various counties. $2,000,000. C. N. Bass, highway comr.

Tenn., Huntington—May 31, by Bd. City Comrs., H. L. Yeich, comr., grading, curbing and paving portions 5th Ave. A. B. Maupin, city engr.

Kentucky—May 29, by State Hy. Dept., Frankfort, improving 4 mi. Buda-Hickman Co. line Rd., Filton Co.; 10 mi. Mayfield-Fancy Farm-Bardwell Rd., and 9 mi. Mayfield-Benton Rd., Graves Co.; also 5 mi. White Plains-Muhlenburg Co. line Rd., Hopkins Co. E. N. Todd, highway engr.

O., Cincinnati—May 31, by City Manager curbing, walks and sheet asphalt paving 16,000 sq.yd. and vertical fibre brick paving 14,500 sq.yd. Reading Rd. from Bway. to Florence Ave., and Florence Ave. from Reading Rd. to Eden Park, $201,395; also curbing, walks, granite paving 450 sq.yd. and vertical fibre brick paving 150 sq.yd. Reading Rd. from Bway. to Florence Ave. and Florence Ave. from Reading Rd. to Eden Park, $256,195. Noted Feb. 17.

O., Cleveland — June 1, by Bd. Comrs. Cuyahoga Co., asphalt, concrete or brick paving, etc., Mill Rd. $147,700. F. Lander, Court House, engr.

Ind., Auburn—June 7, by Comrs. De Kalb Co., constructing highways. $23,817. E. Dawson, Auburn, aud.

Ind., Boonville—June 7, by Comrs. Warrick Co., constructing Ditney Hill Rd. $45,-150. E. Bracher, Warrick (mail New Carlisle), aud.

Ind., Fowler—June 6, by Benton Co., constructing 15,713 ft. Edward Broe Rd. $26,-998. S. N. Geary, Fowler, aud.

Ind., Greensburg—June 6, by Comrs. Decatur Co., constructing Loyd Rd., Washington Twp., $25,069; and Robertson Rd., Adams Twp., $7,839. W. J. Zetterburg, Greensburg, aud.

Ind., Vincennes—June 7, by Knox Co., concrete paving 2.67 mi. Thompson Rd. $65,798. G. W. Donaldson, Vincennes, aud.

Ind., Winchester — June 3, by Comrs. Randolph Co., grading and concrete paving 8,596 ft. highway in White River Twp. $47,310, 5,142 ft. Highway 1713 $7,996, and 5,393 ft. Highway 1714 $8,932, both Wayne Twp., 15,734 ft. Highway 1629 $15,-152, and 5,272 ft. Highway 1568 $7,596, both in Nettle Creek Twp. I. E. Smithson, Winchester, aud.

Michigan — June 1, by W. W. Lavers, resident engr., Plymouth, concrete paving 5.735 mi. A. D. 463, 20 ft., Wayne and Monroe Counties, for State Hy. Dept., Lansing. Noted May 19.

Illinois — June 1, by State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, concrete, bituminous filled brick, or bituminous concrete, with or without binder course paving 105.01 mi. roads in Greene, Knox, Tazewell, Cook, Sangamon, Peoria, McLean, Clark, Coles, Will, Du Page, McHenry, Fulton, Henry, Putnam, Woodford, Ford, Livingston, Cass and Jasper Counties; and grading 12.93 mi. roads in Madison, St. Clair and Crawford Counties. F. T. Sheets, ch. highway engr.

Ill., Rockford — May 31, by Bd. Local Impvts., B. M. Allen, pres., grading, curbing, guttering and alternate types paving 1,025 sq.yd. Chamberlain St., $3,82[illegible] also grading, curbing, guttering, concrete paving, etc., 20,300 sq.yd. 17th Ave., [illegible] H. Wolcott, Court House, engr.

Ill., Westmont—May 31, by City, grading, curbing, guttering and concrete paving 950 sq.yd. various streets. $41,850. Welker, De Leuw & Co., 111 West Washington St., Chicago, engrs.

Wisconsin—May 31, by State Hy. Comm., Div. Office 8, 1st Natl. Bank Bldg., Superior, grading, bridging and gravelling 2.667 mi. Prentice-Park Falls-Mellen-Ashland Rd. (Butternut Relocation), Federal Aid Project 405-B, Ashland Co. J. E. McLean, div. engr.

Wisconsin—June 2, by State Hy. Comm., Div. Office 4, Wisconsin Rapids, improving Kilburn-Wisconsin Rapids Rd., Wood and Adams Counties, 174,856 gal. asphaltic oil and 2,995 cu.yd. pea gravel, etc. C. E. Eldred, asst. div. engr.

Wisconsin—June 3, by State Hy. Comm., Nicolet Bldg., Green Bay, grading, concrete paving, etc., 58,260 sq.yd. Two Rivers-Manitowoc Rd., Manitowoc Co. O. C. Boldman, div. engr.

Ia., Cedar Rapids—June 2, by City Clerk, grading, curbing, guttering and 2½ in. brick or 7 in. concrete paving 10,000 sq.yd. various streets, also 7 in. concrete paving 8,220 yd. various alleys. R. W. Gearhart, city engr.

Ia., Exira—May 31, by J. D. Vande Brake, city alternate types, paving 12,000 sq.yd. various streets. $30,000. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, engrs. Noted May 5.

Ia., Pocahontas—June 1, at office Auditor Pocahontas Co., maintenance graveling Project M-881, 7,600 cu.yd. gravel 1 mi. haul, 31,600 units overhaul, 4,300 cu.yd. stripping, etc. A. L. Thornton, maintenance supt.

Ia., Sioux City—May 31, at office Auditor Woodbury Co., grading, etc., 5.52 mi. Rock Branch Anthon Rd. J. C. McLean, Sioux City, co. engr.

Kan., Gove City—June 16, by Clerk Gove Co., curbing, guttering, sand clay surfacing, etc. 37.012 mi. Federal Aid Project 382-A and B, 30 ft. G. Hall, Gove City, co. engr.

Kan., Hiawatha — See "Contracts Awarded."

Kan., Iola—June 10, by Clerk Allen Co., improving 3.004 mi. Federal Aid Project 328-B, 4,015 ft. hedge, 1,060 ft. guard fence, 31,728 sq.yd. concrete paving, 11,480 lb. reinforcing, etc. L. G. N. Noftzger, Iola, engr. Noted May 5.

Kan., Westmoreland—June 3, by Clerk Pottawatomie Co., improving 4.3 mi. St. Marys-Belvue Rd., Federal Aid Project 355-C, 42,024 cu.yd. grading, 12,454 cu.yd. borrow, 3,480 ft. cable guard rail, also 1 triple 40 ft. deck girder, also double 10 x 10 ft. box and one 40 ft. deck girder bridges, 95,270 lb. reinforcing, 3,044 ft. piling, etc. L. F. Whearty, Court House, engr.

Neb., Winside—May 31, by A. H. Carter, city clk. rein.-con., Johnson method or concrete paving, etc. 23,431 yd. various streets. To exceed $25,000. Rohrbaugh Eng. Co., 721 Omaha Building & Loan Bldg., Omaha, engrs.

Neb., Madison—Taking bids various types paving approximately 28 blocks several streets. Bruce & Grupe, Bankers Reserve Bldg., Omaha, engrs.

Mo., Jefferson City—June 6, by C. B. Steers, city clk., grading, curbing, concrete paving, 1,532 sq.yd. and penetration macadam paving 10,245 sq.yd. Cottage Lane, Case Ave., Houchin Blvd., Miller, Chestnut, Locust and Jackson Sts. F. E. Ross, City Hall, engr.

Ark., Marianna — See "Contracts Awarded."

Colorado—May 31, by State Hy. Dept., Denver, concrete paving, etc., 2.954 mi. Las Animas-Lamar Highway, Bent Co. L. D. Blauvelt, highway engr.

Wash., Chehalis—June 6, by Comrs. Lewis Co., crushed rock surfacing 2.75 mi. Mayfield-Winston Creek Highway, 16 ft. R. L. Greene, Chehalis, engr.

Wash., Port Orchard—June 6, by Comrs. Kitsap Co., grading and graveling 5,600 ft. Ferncliff Rd. and constructing approaches to Port Madison Rd. J. L. Berry, Port Orchard, engr.

California—June 6, by State Hy. Dept., Sacramento, grading and crushed gravel or stone surfacing, etc. 6.7 mi. roadway between LaMoine and Shotgun Creek, Shasta Co. R. M. Morton, Strub Bldg., Sacramento, engr.

Calif., Bakersfield — V. Van Riper, city clk., taking bids grading, curbing, guttering and 1½ in. Warrenite bitulithic on 3½ in. asphalt paving 260,003 sq.ft. California, 13th and 14th Sts., etc. W. D. Clarke, city engr.

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Streets and Roads (Continued)

Calif., Glendale—June 2, by A. J. Van Wie, city clk., curbing, walks and asphaltic concrete surfacing on asphaltic concrete paving, etc., Dolores, Carmel and Rosslyn Sts., etc. To exceed $25,000. J. F. Johannsen, city engr.

Calif., Glendale—June 7, by A. J. Van Wie, city clk., curbing, guttering, walks and concrete paving, etc., Fairfield, Randall and Lake Sts., etc. To exceed $25,000. J. F. Johannsen, city engr.

Calif., Los Angeles—June 6, by Supervs. Los Angeles Co., concrete paving with 6 in. D. R. sub-base or 2 in. asphaltic concrete paving with 8 in. D. R. and broken concrete sub-base, etc., 1.53 mi. Artesia Ave.; also grading, curbing, guttering and concrete paving, etc., 1.37 mi. Huntington Dr.

Calif., Los Angeles — June 6, by Bd. Supervs. Los Angeles Co., curbing, guttering, walks and 8 in. concrete paving 24,885 sq.ft. and 9-7-7-9 in. concrete paving 80,198 sq.ft. Vermont Ave. $49,901. G. W. Jones, Hall of Records, engr.

Calif., Oakland — June 6, by G. Gross, clk. Alameda Co., improving Telegraph Rd. G. A. Posey, Alameda Co. surv.

Calif., Redwood City—June 6, by E. M. Kneese, clk. San Mateo Co., grading, walks and 4 in. waterbound macadam paving 455,000 sq.ft. Laurel, Palo Alto and Poplar Aves., etc. G. A. Kneese, Redwood City, co. surv.

Calif., Ventura — June 7, by Supervs. Ventura Co., grading and bridging, etc., Burnham Rd., 9,800 ft. timber in bridge, 1,000 lb. reinforcing, etc. C. W. Petit, Ventura, co. surv.

Ont., Dixie—See "Contracts Awarded."

Ont., Merlin—May 28, by W. D. Colby, engr., Harrison Hall, Chatham, concrete, amiesite and sheet asphalt paving 10,000 sq.yd. various streets, here, for Kent Co. $30,000-$40,000. Noted May 12.

Ont., Peterborough—May 27, by S. R. Armstrong, city clk., 6,000 lin.ft. concrete curbing, guttering and asphalt on concrete paving 9,800 sq.yd. Weller, Water and Smith Sts. $45,000. R. H. Parsons, Municipal Offices, engr.

Ont., Welland—May 31, by Ross & Scott, engrs., Welland, asphalt penetration paving 4½ mi. Good Roads System, for Welland Co. $80,000.

B. C., Barnaby—May 31, by Municipal Council, concrete or asphaltic concrete paving 2½ mi. Grandview Highway. $70,000. E. Smith, Municipal Hall, Edmonds, engr. Noted Feb. 10.

Contracts Awarded

Massachusetts—Dept. Pub. Wks., Boston, bituminous macadam paving 5,779 ft. highway in Ashburnham, to Guaranty Constr. Co., Shirley, $43,930; 2,800 ft. in Freetown, to Iafalla Constr. Co., 15 Noyes Pl., Boston, $19,225; 5,715 ft. in Milton, to Lawton Constr. Co., 250 Gallatin St., Providence, R. I., $48,748; and 5,004 ft. in Hamilton and Wenham, to Welch & Moynihan, 15 Front St., Salem, $33,454. Grand total $145,357. Noted Apr. 28.

Massachusetts—Dept. Pub. Wks., Boston, W. F. Williams, comr., bituminous macadam paving 14,882 ft. highway in Florida and North Adams, to Schnan Constr. Corp., Springfield, $198,384. Noted Apr. 21.

Mass., Boston—Dept. Pub. Wks., sheet asphalt or bitulithic paving various streets in Wards 15, 16 and 18, to Warren Bros. Co., 9 Cambridge St., $38,340. Noted Apr. 28.

Mass., Brookline (br. Boston)—Bd. Selectmen, sheet asphalt paving South St., to Coleman Bros. Inc., 245 State St., Boston, $30,773; also Cypress St. and Aspinwall Ave., to Warren Bros., 9 Cambridge St., Boston, engrs. est. $25,000. Noted Apr. 14.

Mass., New Bedford — Warrenite and bitulithic paving various streets, to Warren Bros. Co., 888 Purchase St., New Bedford, at $2.02 per sq.yd. Engrs. est. $25,000.

R. I., Providence—Sheet asphalt paving and bridging various streets, to Narragansett Impvt. Co., 104 Public St. Engrs. est. $25,000. Noted Apr. 21.

Conn., Bridgeport—Warrenite bitulithic on 6 in. concrete paving 60,000 sq.yd. various streets, to Warren Bros. Co., 9 Cambridge St., Boston, Mass., $189,952. Engrs. est. $190,000.

Conn., New Haven — Paving Blatchley and Cedar Hill Aves., to D. V. Frione & Co., 105 Ward St., $20,155; Monroe St., to W. J. Montgomery & Co., 72 Canner St., $8,250; and Chapel St., to J. F. Dailey, 7 Benton St., $22,010. Grand total $50,415. Engrs. est. $50,000.

New York—A. W. Brandt, comr. Highways, Albany **(e.e. means engineers estimate)**, reconstructing 10.75 mi. Repair Contr. 1596-1597, Highway 1380-A, Jamestown-Ashville, 9028 Lakewood-Chautauqua Rd., Chautauqua Co., to Mayer Bros. Constr. Co., Erie, Pa., $459,660 e.e. $672,-873; 2.14 mi. Repair Contr. 1590, Highway 143, Echo Lake-Pines Bridge Rd., Westchester Co., to Immick Co., State St., Meriden, Conn., $109,450 e.e. $143,049; 5.18 mi. Repair Contr. 1583, Highway 1164, 1182 Cape Vincent-Watertown Rd., Parts 2 and 3, Jefferson Co., to W. T. Thayer Co., Chateaugay, $186,877 e.e. $256,150; 0.15 mi. Repair Contr. 1603, Highway 767, Pittsford-Palmyra Rd., Part 2, Monroe Co., to F. W. and J. J. Crouch, Rochester, $38,975 e.e. $47,891; 0.89 mi. Highway 1756, Porter Ave., Part 1, Niagara Co., to L. H. Gipp Constr. Co., 94 Claremont St., Buffalo, $33,990 e.e. $43,186; 0.52 mi. Repair Contr. 1587, Highway 5703 Penn State Line-Westfield Rd., Part 1, Chautauqua Co., to E. J. Bailey, Brocton, $24,558 e.e. $29,703; 4 mi. Highway 1755, LeRoy-Brockport Rd., Part 4, Genesee Co., to W. J. Gallagher, Medina, $211,448 e.e. $275,010; 6.38 mi. Highway 8277, Waterville-New Hartford Rd., Part 1, Oneida Co., to G. Edgecomb Co., Inc., Walton, $293,047 e.e. $366,969. Grand total $1,358,005. Noted Apr. 28.

N. Y., Amsterdam—Paving Northampton Rd., Clisbe, Florida and Locust Aves., Edison, Elk, Essex, Forbes, Stewart, 3rd and Wilber Sts., to J. P. Fugan & Co., Inc., Amsterdam, $109,998.

N. Y., Brooklyn — **J. J.** Byrne, pres. Brooklyn Boro, Boro Hall, to B. Greico, 44 Russell St., granite block paving 39th St., $16,813; to R. Lynster, 1364 Sterling Pl., grading Essex St. $7,459, to Uvalde Asphalt Paving Co., 1 Bway., New York City, sheet asphalt paving Bleecker St. $6,503, Brooklyn Ave. $5,196, to Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., Avenue M, $17,017, Avenue O $16,124, and 14th Ave. $20,941, to D. J. McCoy Asphalt Co., Avenue U and East 57th St., East 49th St. $15,690, to Cranford Co., 52 9th St., East 12th St. $10,080 and 51st St. $8,837, to B. Turecamo Contg. Co., 8706 Bay 12th St., East 3rd St. $19,200, Gravesend Ave. $37,993; and to Sicilian Asphalt Paving Co., 41 Park Row, New York City, Stone Ave. $88,718. Grand total $270,571. Noted Apr. 28.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., grading and paving Seaman Ave., to J. Meehan & Son, Inc., 90 West St., $33,155.

N. Y., St. George—J. A. Lynch, pres. Richmond Boro, Boro Hall, concrete repaving Hylan Blvd. and bituminous macadam paving New Dorp Lane, to Vanbro Constr. Co., 20 Elizabeth St., Port Richmond, $52,272 and $38,100 respectively. Noted May 5.

N. J., Atlantic City—Atlantic Co. (Mays Landing), paving Ventnor Ave., to C. H. Earle Co., Med. and Delaware Aves., $299,-700; treating several gravel roads with ugite and applying ugite on several roads, to T. Tobish, Amer. Mechanic Bldg., Trenton, $109,440 and $22,440 respectively. Grand total, $431,580.

N. J., New Brunswick—City Comn., paving 3 streets, to Utility Constr. Co., 5 Spring St., New Brunswick, $43,066; and 3 streets, to T. H. Riddle, 6 Bayard St., $21,362. Noted Apr. 28.

N. J., Plainfield — Grading, curbing, guttering, sidewalks and sheet asphalt on 6 in. concrete paving 2,600 sq.yd. East 2nd St., to J. F. Burke, 309 Park Ave., Plainfield, $16,000. Noted Apr. 28.

Pennsylvania—State Hy. Comn., Harrisburg, **(F.A.P. means Federal Aid Project)** grading, etc. 15.41 mi. F.A.P. 209-C, Beaver Co., to Rinehart Bros., East Liverpool, O. $35,524, and 5.022 mi. F.A.P. 254-A, Greene Co., to Sky Constr. Co., Johnstown $57,290; rein.-con. paving, etc. 7.795 mi. F.A.P. 173-C, Luzerne Co., to D. Schoentag, Inc., Saugerties, N. Y. $317,641, F.A.P. 235-B, Northampton Co., to McInerney & McNeal, Easton $275,411, 4.699 mi. F.A.P. 253-A, Cambria Co., to B. L. McKillip, Hollidaysburg $30,993, 2.6119 mi. F.A.P. 255-A, to G. Powell, Nanticoke $131,098, and 1.89 mi. F.A.P. 245-A, to Tyler & Cole, Meshoppen $102,459 both Luzerne Co. Grand total $950,416. Noted Apr. 7.

Maryland—State Roads Comn., Baltimore, concrete paving 5.4 mi. Contr. P-70, Prince George Co., to G. B. Mullin Co., 1296 Upshur St., Wash., D. C., $122,639; concrete shoulders on 4.13 mi. Contr. AB-1-C, Anne Arundel Co., and concrete paving 1 mi. Contr. P-70, Prince George Co., to Christhilf & Ensey Co., 1625 Ridgely St., Baltimore, $34,310 and $28,394 respectively; concrete shoulders on 5.82 mi. Contr. B-20-D, to F. Benadio, 22 North Linwood Ave., Baltimore $40,392, and 5.69 mi. Contr. B-33-B, to Ward & O'Connell, 3114 Presbury St., Baltimore $21,500, both Baltimore Co. Grand total $247,235. Noted Apr. 28.

Md., Baltimore—Bd. Awards, sheet asphalt paving 20,100 sq.yd. streets listed in Contr. 404, to P. Flanigan & Sons, Harford Rd. and Baltimore & Ohio R.R. tracks, $93,-502; and concrete paving 16,800 sq.yd. Contr. 405, to P. Reddington & Sons, 2 East Lexington St., $39,764. Noted Apr. 28.

Miss., Holly Springs—Marshall Co., grading, bridging, etc., 13.588 mi. Federal Aid Project 66-C, to W. J. Bryson Paving Co., 239 West Adams St., Jacksonville, Fla., $100,031. Noted Apr. 14.

Miss., Meridian—Lauderdale Co., grading, etc. 7.949 mi. Federal Aid Project 192-A, to W. J. Bryson Paving Co., 239 West Adams St., Jacksonville, $31,188. Noted Apr. 14.

Miss., Ripley — Tippah Co., grading, bridging, graveling, etc. 4.329 mi. Federal Aid Project 173-C, to W. J. Bryson Paving Co., 239 Adams St., Jacksonville, Fla., $41,000. Noted Apr. 14.

O., Akron—Summit Co., grading, curbing, guttering and traffic bound slag paving 3.82 mi. Bath-Stow Rd. C. H. 48, Sects. F and G, 18 ft., to J. L. McCormick, Ravenna, $50,436, engrs. est. $55,500; also grading, curbing and concrete paving, etc., 4.87 mi. Arlington Rd. C. H. 15, Sects. A and B, to Costigan Shroyer Constr. Co., Metropolitan Bldg., $61,143, engrs. est. $70,000. Noted May 5.

O., Cleveland—Cuyahoga Co., grading, curbing, guttering and vitr. brick paving, etc. 27,700 sq.yd. Wager Rd., to Cleveland Trinidad Paving Co., The Arcade, $172,795. Noted Apr. 28.

O., Columbus—O. Moore, clk. Franklin Co., grading and waterbound macadam paving, etc. 3.392 mi. Kropp Rd. in Mifflin Twp., 16 ft., to Neff & Rader, Circleville, $55,329. Noted May 12.

O., Dayton—Serv. Director, sheet asphalt on concrete paving Sunrise Ave. Bridge approach, to Republic Asphalt Paving Co., 832 South Ludlow St., $20,079; also rein.-con. paving Upper Ave., to Foster Eng. Co., Commercial Bldg., $10,013.

O., Lisbon—Concrete repaving, etc., 12 short streets, to G. B. Patterson, Wellsville, $66,300. Engrs. est. $65,000.

O., Maple Heights (br. Bedford)—Improving Benhoff and Fernway Drs., to A. M. Pejsa Constr. Co., 3161 Derbyshire Rd., Cleveland Heights, $13,987 and $11,769 respectively.

O., Toledo—Asphalt block paving 7,504 sq.yd. Bakewell St., to J. H. Horan, 534 West Woodruff Ave., $49,562.

Mich., Holland—Common Council at office O. Peterson, city clk. sheet asphalt wearing surface on macadam or blank paving 51,160 sq.yd. various streets, to K. B. Olson, 413 Madison Ave., Birmingham, $131,983. Noted Apr. 28.

Ill., Bellville—Grading, concrete paving, etc. 10.6 mi. Belleville-Columbia Rd., Illinois Highway 158, Sects. 134 and 135, 18 ft., to Hoeffken Bros., 222 West B St., $217,496.

Ill., Chicago—South Park Comrs., 57th St. and Cottage Grove Ave., improving portions various boulevards, to R. F. Conway Co., 844 Rush St., approximately $200,000. Noted Mar. 10.

Ill., Rock Island—Grading, curbing and rein.-con. paving 10 blocks 31st Ave. to Rock Island Constr. Co., Rock Island, $12,705; streets and avenues in Staffords Addition and 26½ Ave., to Central Eng. Co., 809 Putnam Bldg., Davenport, Ia., $11,421 and $4,565 respectively. Grand total $28,-961. Engrs. est. $35,000.

Wis., Milwaukee—Dept. Pub. Wks., to J. C. Bluhm & Son, 1298 Achilles Pl., grading, curbing, paving, etc. Chambers St. $4,466, and Nash St. $1,605; to Gumz & Switalski, Milwaukee, Euclid Ave., $15,357, and 31st Ave. $1,726; to Bodeman Constr. Co., Milwaukee, 59th St. $29,461 and 56th St. $31,824; to Jacobs & Winding, Milwaukee, 57th St., $30,871; to Czerwinski Constr. Co., Milwaukee, 53rd St. $64,104, and Grant St. $12,409; to Milwaukee General Constr Co., 427 Mitchell St., Mitchell St., $5,142; and to A. E. Retzlaff, 868 Island Ave., 60th St. $6,707, and 10th St. $10,685. Grand total $214,357.

Wis., Milwaukee—Bd. Pub. Wks., to Wenzel & Henoch Co., 498-27th St., paving Albert Pl. $665, Iron St. $406, Teutonia Ave. $5,498, 47th, 48th and West 47th Sts. $116,839; to Milwaukee Sewer & Drainage Co., Milwaukee, Euclid Ave. $358 and Roosevelt Dr. $3,256; to W. T. Werner, 675 HiMount Blvd., 57th St. $726, Sherman Blvd. $570, Fiebrantz St. $3,798, 15th Ave. $7,886, and 36th Ave. $1,222; to Zimmermann & Zimmermann, Milwaukee, Melvina St. $270 8th Ave. $9,507, and Holt Ave. $455; to Devos & Phillips, Milwaukee, Prospect St. $1,146, and 49th St. $1,241; to H. Crozier, 176 West 19th St., 17th and 18th Sts., $1,758; to A. H. Koch, 2917 Grand Ave., 13th St., $1,625; to Schabart & Rauch, Milwaukee, Beecher St., $1,113; to Rausch & Busse, Milwaukee, Arnold Ave., Bluemound Rd. and 44th St., $14,797;

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Streets and Roads (Continued)

to H. O. Schaefer, Milwaukee, Euclid and Carpenter Aves., $5,035; and to Clayton Constr. Co., Pt. Washington and Grauber Sts., Hope Ave. and 39th Sts., $36,463. Grand total $214,634.

Wis., Milwaukee—Milwaukee Co., grading, bridging and paving 3.3 mi. Rowson Ave., to Kroening Constr. Co., Milwaukee, $109,782; and 11,209 sq.yd. Burleigh Rd., to Lex Constr. Co., Milwaukee, $28,560.

Iowa—State Hy. Comn., Ames, graveling 16.649 mi. U. S. Highway 71, Carroll Co., to M. O. Weaver, Iowa Falls $16,614, 11.35 mi. Primary Road 14, Grundy Co., to Snater Constr. Co., Ackley $18,864, and 9.974 mi. Marshall Co. Line Rd., Grundy Co., to Moore & Eldridge, Clemons $14,001; grading 11.791 mi. Maquoketa Rd., Jackson Co., to H. Pickus Constr. Co., Sioux City $30,572, 5.46 mi. road north of Brighton, Washington Co., to J. B. Hannah, Keokuk $24,117, 1.45 mi. U. S. Highway 69, Decatur Co., to Material Supply & Constr. Co., Boone $5,931 and 0.539 mi. Mt. Pleasant Rd., Henry Co., to F. Wellington, Mt. Pleasant $3,386. Grand total $113,485. Noted Apr. 28.

Ia., Charles City—Floyd Co., to Anderson & Empie, Marshalltown, improving secondary roads, 11,432 cu.yd. earth excav. at $0.24 per cu.yd., 150 cu.yd. loose rock $1.50, and 100 cu.yd. solid rock $2.50, 5,937 units overhaul $0.02, and 108 ft. 15 and 21 in. culvert labor $0.20 and $0.25; to Russell Co., New Hampton, 19,600 cu.yd. excav. $0.27, 13,214 units overhaul $0.02, and 108 ft. 15 in. culvert labor $0.35; to J. W. Peed & Son, Ft. Dodge, 22,976 cu. yd. excav. $0.28 and $0.305, 100 cu.yd. loose rock $1, 50 cu.yd. solid rock $2.75, 20,294 units overhaul $0.02, and 394 ft. 15- to 21-in. culvert labor $0.25, $0.35 and $0.40.

Ia., New London — Curbing, rein.-con. paving, etc., 17,000 sq.yd. various streets, to Union Constr. Co., 200 New York St., Des Moines, at $2.24 per sq.yd.

Ia., New Market — Grading, curbing, rein.-con. paving, etc., 15,601 sq.yd. various streets, to Union Constr. Co., 200 New York St., Des Moines, at $2.24 per sq.yd.

Ia., Rock Rapids—Lyons Co., to C. W. McNamara, Sioux Falls, S. D., improving Secondary-Primary Projects S-102 and S-142, 73,720 cu.yd. excav. at $0.19 per cu. yd., 19,600 sta.yd. overhaul $0.02, 494 ft. 15 and 18 in. culvert labor $0.25 and $0.30, also clearing and grubbing 384; to Moe & Nelson, improving secondary roads, 134,250 cu.yd. gravel 1 mi. haul at $0.29, $0.30 and $0.32 per cu.yd., 144,650 units ½ mi. haul $0.07, and 18,500 cu.yd. strip pit $0.18. Noted Apr. 14.

Ia., Russell—For 6 in. concrete paving 13,000 sq.yd. various streets, to J. P. Abromson, Des Moines, $29,450.

Kan., Emporia — Grading, curbing and paving 25,000 sq.yd. various streets with possibility paving 11,000 sq.yd. additional later, to C. J. McCoy Constr. Co., Emporia, $88,996.

Kan., Hiawatha—Brown Co., 800 cu.yd. gravel per mi. and placing same in windrows on one side 32.12 U. S. Highway 73, to Moran Constr. Co., 2431 Ellison St., Omaha, Neb. Owner will spread and work into surface of road by day labor.

North Dakota—State Hy. Comn., Bismarck, **(F.A.P. means Federal Aid Project)**, to J. R. River, Marshall, Minn., graveling, etc. 6.992 mi. F.A.P. 59, Richland Co. $19,184, 7.527 mi. F.A.P. 211-A $8,182, and 11.45 mi. F.A.P. 211-B $15,666, both Dickey Co.; to Hall & Booth, Stanley, 8.082 mi. F.A.P. 74 $7,831, and 14.584 mi. F.A.P. 75 $20,663, both Mountrail Co.; to H. J. Pitts, Fargo, 10.015 mi. F.A.P. 75, Burke Co. $10,983, and 6.63 mi. F.A.P. 238, Ralette Co., $7,040; to M. D. Butler, Grand Forks, 4.05 mi. F.A.P. 78 $5,095, and 8.457 mi. F.A.P. 159-A-B $22,195, both Divide Co.; to Summit Constr. Co., Summit, S. D., 9.949 mi. F.A.P. 112-A B $8,794, and 7.879 mi. F.A.P. 112-C $9,366, both Dickey Co.; to H. Pickes Constr. Co., Sioux City Ia., 10.466 mi. F.A.P. 118-A B, Mountrail Co. $12,730, and 8.801 mi. F.A.P. 166, Walsh Co. $20,191; to M. E. Thompson, Minot, 0.528 mi. F.A.P. 118-C, Mountrail Co. $3,679, and 6.341 mi. F.A.P. 270-A, McHenry Co. $5,095; and to Win Coman, Goodrich, 5.888 mi. F.A.P. 226, Ward Co., $5,975. Grand total $182,670.

Missouri — State Hy. Comn., Jefferson City, 30 ft. grading 11.557 mi. Mexico-Paris Rd., Audrain Co., to O'Hagan-McVicker Co., Kansas City, $72,578; grading and 9 ft. concrete paving 3.654 mi. Jamesport-Gallatin Rd., Davies Co., to Ebbe Constr. Co., Trenton, $40,930; grading 0.47 mi. road from Gentry south, Gentry Co., and 0.581 mi. road at Lexington, Lafayette Co., to Stonner & Deering, Chamois, $27,143; grading and 18 ft. concrete paving 6.464 mi. Route 1 east to Plattsburg, Clinton Co., $120,704. Grand total $255,355. Noted Apr. 21.

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Mo., La Plata—For 6 in. concrete paving, etc., 18,550 yd. various streets, to H. Tidd, 102 West 21st St., Hutchinson, Kan., at $2.41 per yd.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, to Crean & Scott Constr. Co., 4030 Chouteau Ave., granite block paving, etc., 2,810 sq.yd. 9th St. $20,142, 4,490 sq.yd. 9th St. between Biddle and Cass Sts. $24,741, and 1,550 sq.yd. 11th St. $10,419, and to F. A. Stires, 4500 Enright Ave., 5,620 sq.yd. 9th St. between Franklin and Biddle Sts. $25,646; to Skrainka Constr. Co., Security Bldg., concrete paving, etc., 1,985 sq.yd. Paul St. $9,578, and to Eyerman Contg. Co., 1216 South Grand Blvd., 4,675 sq.yd. Iowa St. $20,913; to Central Paving & Constr. Co., 6161 Maple Ave., warrenite bitulithic paving, etc., 4,190 sq.yd. Durant Ave., $26,764; to Webb-Boone Paving Co., 5103 Fyler Ave., amiesite paving, etc., 3,850 sq.yd. Sherry Ave., $26,325; to C. A. Moreno, Syndicate Trust Bldg., asphalt paving, 1,735 sq.yd. 39th St., $6,603; and to J. F. McMahon Constr. Co., Buder Bldg., constructing 7,420 cu.ft. concrete roadway and 5,465 sq.yd. sidewalks on Kingshighway Viaduct through Penrose Park, $6,907. Grand total $178,038. Noted Mar. 31.

Mo., Springfield—For 7 in. rein.-con. paving 2,280 sq.yd. Main St. between College and Walnut Sts., to Stigall Constr. Co., Benton and Talmadge Sts., at $2.05 per sq.yd.; 4,155 sq.yd. Main St. between Atlantic and High Sts., to Lahar Bros. Constr. Co., 1005 East Delmar St., $1.88. Noted Apr. 28.

Ark., Marianna—Lee Co., graveling 4 mi. Aubrey-Marianna-Moro Highway in Aubrey Road Impvt. Dist., to H. and J. Thomson, Aubrey, owner will gravel 3.5 mi. Rondo Rd., by day labor. Noted May 6, 1926.

Tex., Corpus Christi—Bituminous concrete paving Carancahua St. and Ocean Dr., to Smith Bros., Inc., Amer. Exch. Natl. Bank Bldg., Dallas, $97,455. Engrs. est. $100,000. Noted May 12.

Tex., Mercedes — Permanent paving 80 blocks various streets, to W. L. Pearson Co., Edinburg, approximately $600,000.

Tex., Quanah—Paving 25,000 sq.yd. various streets, to E. K. Burkhart Constr. Co., Wichita Falls, $79,937.

Washington—State Hy. Comn., Olympia, **(S.R. means State Road)**, grading etc. 122,800 cu.yd. S.R. 9, Jefferson Co., to T. M. Morgan, 708 Union St., Seattle, $104,808, crushed rock surfacing, etc. 30,000 cu.yd. S.R. 3, Whitman Co., to C. Nyberg, 721 West 22nd Ave., Spokane $64,791, 29,210 cu.yd. S.R. 8, Yakima Co., to Campbell Constr. Co., Sunnyside, $53,278, and 17,000 cu.yd. S.R. 3, Spokane Co., to Mitchell Bros., 127 East Mission Ave., Spokane, $74,702; also graveling, etc. 3,550 cu.yd. S.R. 6, Pend Oreille Co., to Owens Bros., Reardan, $14,491. Grand total $312,070. Noted Apr. 14.

Wash., Seattle—Bd. Pub. Wks., paving 25th St. et al., to Odman Contg. Co., 2534 33rd Ave. S., sand cast pipe $379,525.

Calif., Compton — Curbing, walks and vibrolithic concrete paving, etc., Tamarind St., etc., to O. U. Miracle, 1604 Date St., San Diego, $69,065. Noted Apr. 7.

Calif., National City—Grading, curbing, walks, guttering, etc., Highland Ave., etc., to Pioneer Transfer Co., Calexico, $40,216.

Calif., San Diego — Common Council, grading, sidewalks, concrete and asphaltic concrete paving, etc. West Atlantic St., etc., to G. R. Daley, 4430 Boundary St., $245,219; grading, curbing, walks, concrete and asphaltic concrete paving, etc. Long Branch Ave. and Logan Ave., to Griffith Co., Box 155, $54,225 and $38,200 respectively. Grand total $337,644. Noted Apr. 14.

Calif., Willows—Improving Shasta and Plumas Sts., etc., to Clark & Henery Constr. Co., Chancery Bldg., San Francisco, $127,303. Noted July 8.

Ontario—Provincial Dept. of Highways, Ottawa, concrete paving 10.37 mi. highway from Simcoe to Delhi, to McNamara Constr. Co., 53 Yonge St., Toronto. Engrs. est. $250,000.

Ontario—Ontario Dept. Highways, Ottawa, concrete paving 3.6 mi. highway from Acton easterly, to McArthur Eng. & Constr. Co. Ltd., Guelph. Engrs. est. $90,000.

Ont., Dixie — Toronto Twp. will pave with macadam and gravel various roads, incl. culverts, equipment, maintenance and repairs during 1927, by day labor. $37,000.

Ont., Kitchener—Concrete curbing, guttering, concrete and sheet asphalt paving 6,000 sq.yd. Cherry St. and Onward Ave., to Standard Paving Co. Ltd., Central Chambers, Ottawa. Engrs. est. $25,000. Noted Mar. 3.

Ont., London—C. Talbot, engr., County Bldgs., paving Granton, Thorndale and Dorchester Sts., to J. Vance, Woodstock, $67,000; Glencoe and Parkhill Sts., to Tolland Constr. Co., Ford, $68,000; and Byron St., to W. W. King, Oakville, $38,961. Grand total $173,961. Noted Apr. 14.

Ont., Napanee—W. A. Grange, town clk., concrete curbing, guttering, and sheet asphalt on concrete paving approximately 10,000 sq.yd. various streets, to Standard Paving Co., Ltd., Central Chambers, Ottawa. Engrs. est. $45,000. Noted Apr. 21.

Ont., Ottawa—Bd. Control, asphalt on concrete widening Wellington St., to Standard Paving Co. Ltd., Central Chambers, Elgin St., $56,000. Noted Jan. 20.

Ont., Stayner—Asphalt paving Main St., to Warren Bituminous Paving Co., 54 University Ave., Toronto. Engrs. est. $35,000.

Ont., Welland—W. E. Forster, city clk., City Hall, concrete paving Riverside Dr., Avenue Pl. and 5 streets, to Brennan Paving Co., 400 Gage Ave., N., Hamilton, $88,939.

B. C., Trail—City Council, 7 in. concrete paving 27,000 sq.yd. various streets, to Vancouver Pile Driving & Contg. Co. Ltd., 207 Hastings St. W., Vancouver, $74,585. Noted Apr. 14.

Buildings—Commercial

Proposed Work

Me., Portland—THEATRE and STORE—H. R. Rines, 172 State St., having plans prepared by J. P. Thomas, 537 Congress St., 1 story and basement, 65 x 170 ft., brick and steel, plain foundation, 639 Congress St. To exceed $150,000.

N. H., Franklin—STORE and APARTMENT—M. Solomon & P. Berg, plans rebuilding syndicate block, recently destroyed by fire. $200,000. Engineer and architect not selected.

Mass., Boston — APARTMENT — S. B. Zeltzerman, 105 Floyd St., Dorchester, having plans prepared by S. S. Levy, 35 Court St., 3 story and basement, brick and stone, plain foundation, Warren and Howland Sts. $150,000.

Mass., Boston—THEATRE—E. H. King, 294 Washington St., having preliminary sketches made by Krokyn, Browne & Rosenstein, 220 Devonshire St., Boston, 1 story and basement, brick and steel, plain foundation, Blue Hill Ave. near Mattapan Sq. $225,000.

Mass., Dorchester (br. Boston)—STORE, RESTAURANT and OFFICE—Owner, c/o R. S. Fitch, 585 Columbia Rd., plans 3 story and basement, brick and stone, plain foundation, Uphams Corner. $150,000. Engineer and architect not selected.

Mass., East Boston (sta. Boston)—THEATRE, STORE and OFFICE—Owner, c/o J. A. Tuck, archt., Park Sq. Bldg., Boston, soon takes bids 3 story and basement, 100 x 150 ft., brick and steel, plain foundation, Maverick Sq., here. $400,000.

Mass., Lawrence—BANK—Bway. Savings Bank, 522 Essex St., having sketches made by J. E. Allen, 283 Essex St., 1 story and basement, rein.-con., brick and steel, plain foundation, Essex and Hampshire Sts. $150,000. Noted Feb. 3.

Mass., Malden (Boston P. O.)—COMMUNITY—City, c/o C. F. Springall, archt., 84 Sprague St., having revised plans prepared 2 story and basement, brick, Oak Grove Sq. $150,000. Noted May 19.

Mass., Quincy (Boston P. O.)—MEMORIAL—City, T. J. McGrath, mayor, City Hall, having sketches made by J. A. McPherson, 10 Purington Ave., Dorchester, 2 story and basement, brick, plain foundation, Coddington and Newcomb Sts. $175,000. Noted Mar. 17.

R. I., Woonsocket—CITY HALL—City, Pub. Buildings Dept., having plans prepared by O. H. Drouin, 251 Main St., Monument Sq., altering and constructing 2 story and basement, 80 x 100 ft., brick, stone, and granite addition, Main St. $150,000. Noted Feb. 25, 1926.

Conn., Hartford — BUSINESS — Central Co., c/o S. Elsner, 75 Pearl St., having preliminary plans prepared by Whiton & McMahon, 805 Main St., 6 story brick and steel, Main and Asylum Sts. $200,000.

N. Y., Buffalo — WAREHOUSE and OFFICE—W. S. Longee, engr. and archt., 500 Marshall Bldg., Cleveland, O. soon lets contract brick and rein.-con. warehouse and office building, also concrete pier, here, for Cleveland & Buffalo Transit Co., c/o T. F. Newman, pres., foot East 9th St., Cleveland, O. $350,000. Noted Apr. 29.

N. J., Atlantic City—APARTMENT—W. Levin, c/o D. W. Haining, archts., 225 Guarantee Trust Bldg., having plans prepared 4 story, brick and steel, plain foundation, Ocean and Pacific Aves. $150,000.

Buildings—Commercial (Continued))

N. J., Elizabeth — HOSPITAL — L. V. Pohlman, archt., 80 Broad St., takes bids about June 15, general contract 3 story and basement, 50 x 130 ft., brick and steel addition, plain foundation, 7th and East Jersey Sts., for Alexian Brothers Hospital, Inc. $350,000. J. B. Holbrook, Grand Central Terminal, New York City, engr. Noted Apr. 7.

N. J., Elizabeth—HOTEL—W. L. Stoddart, Archt., 50 East 41st St., New York City, takes bids about June 1, general contract 10 story and basement, 100 x 115 ft., rein.-con., brick and steel, plain foundation, 323 North Broad St., here, for Elizabeth Chamber of Commerce Hotel Co. $1,000,000. H. B. Brady, 333 North Broad St., associated archt.

N. J., Hackensack—Y.M.H.A., 211 Essex St. plans brick and steel, plain foundation. $150,000. Private plans.

N. J., Hoboken—DEPARTMENT STORE M. Z. Hurwitz, 412 Washington St., plans brick and steel, plain foundation, 226-28 Washington St. $150,000. H. Holmes, c/o owner, archt. S. S. Kresge, Kresge Bldg., Detroit, Mich., lessee.

N. J., Irvington (br. Newark)—APARTMENT—A. Wilson, 727 Stuyvesant Ave., plans 4 story, brick and steel, plain foundation, on 85 x 300 ft. site, 980 Stuyvesant Ave., here. $150,000. Engineer and architect not selected.

N. J., Kearny (Sta. Arlington)—OFFICE—Congoleum-Nairn Inc., Belgrove Dr. having sketches made by Guilbert & Betelle, 20 Branford Pl., Newark, 3 story, rein.-con., brick and steel, plain foundation, $150,000.

N. J., Montclair—APARTMENT—Ginsberg Bros., Inc., c/o A. Ginsberg, archt., 390 Franklin Ave., Newark, having plans prepared 4 story, brick and steel, plain foundation, Bloomfield Ave. and Rockaway Rd. $150,000.

N. J., Newark—APARTMENT HOTEL—L. Cohan, Bankers Trust Bldg., Phila., Pa., having sketches made by F. Grad, 1021 Broad St., 20 story, brick, steel and rein.-con., concrete pile foundation, here. $4,000,000.

N. J., Newark—APARTMENTS—S. R. Laden, 156 Market St., plans two 4 story; brick and steel, plain foundations, 191-195 Highland Ave. $200,000. Private plans.

N. J., Newark—APARTMENT—E and M Land Co., c/o E. Gerber, archt., 786 Broad St., Newark, having plans prepared 5 story, brick and steel, plain foundation, 481 Elizabeth Ave. $150,000.

N. J., Newark—BANK and OFFICE—United States Trust Co., 946 Broad St., having plans prepared by W. E. Lehman, 972 Broad St., 3 story, brick and steel, plain foundation, Franklin and Broad Sts. $200,000.

N. J., Newark — CITY HALL — Dept. Parks & Pub. Safety, Broad and Green Sts., plans 5 story, brick and steel, annex, plain foundation. $500,000.

N. J., Newark — RESTAURANT — N. Harris, archt., 20 Branford Pl., soon lets general contract 3 story, brick and steel, plain foundation, 18 Green St., for A. R. Staubwasser, 775 Elizabeth Ave. Archts. est. $150,000.

N. J., Newark—THEATRE, STORE and OFFICE—S. Rubine, 251 Claremont Ave., Jersey City, having plans prepared by J. Centanni, 142 Market St., 2 story, 150 x 160 ft., brick and steel, plain foundation, Elwood Ave. and Bway., here. $160,000.

N. J., New Brunswick—CLUB HOUSE—Fraternal Order of Eagles 1329, 78 Carroll Pl., having sketches made by W. H. Boylan, 143 Albany St., 1 story, brick and steel, plain foundation, Carroll St. $150,000.

N. J., New Brunswick—CLUB—Loyal Order of Moose 263, 418 George St., having sketches made by H. Bach, 63 Schuremann St., 3 story, brick and steel addition, plain foundation, 418 George St. $150,000.

N. J., Orange — APARTMENT — J. S. Barry, c/o Warren & Warren, archts., 31 Clinton St., Newark, having plans prepared 4 story, brick and steel, plain foundation, Park Ave. and Cleveland St. $150,000.

N. J., Orange—CLUB—Orange Lodge of Elks 135, 475 Main St., having sketches made by F. Grad, 1023 Broad St., Newark, 4 story, brick and steel, plain foundation, Main St. near Ridge Rd. $150,000.

N. J., Rahway — HOSPITAL — Rahway Hospital, F. W. Kidd, pres., having preliminary sketches made by Crow, Lewis & Wick, 200 5th Ave., New York City, brick, steel and stone, plain foundation, Stone St., here. $250,000.

Pa., Germantown (Phila., P. O.)—Thomas, Martin & Kirkpatrick, archts., Otis Bldg., Phila., soon lets contract, 4 and 5 story and basement, 90 x 311 ft., rein.-con., brick and steel, plain foundation, Green St., here, for Y.M.C.A., c/o W. L. Grubler, chn. building com., 219 High St., Phila. $650,000. Noted May 12.

Pa., Pittsburgh—HOTEL—J. I. Simon, et al., 5th Ave., having plans prepared by C. and C. J. Rieger, Citizens Bank Bldg., 22 story and basement, brick and steel, 5th Ave. $1,000,000.

Pa., Pittsburgh—SALES and SERVICE—Englert McKean Auto Co., 2134 Brownsville Rd., having plans prepared by M. Nirdlinger, Empire Bldg., 2 and 3 story and basement, 80 x 100 ft., rein.-con., steel and terra cotta, Bigelow Blvd. $150,000.

Pa., Pittsburgh — WAREHOUSE — May Drug Co., May Bldg., having plans prepared by Hunting, Davis & Dunnells, Century Bldg., 5 story and basement, 72 x 132 ft., rein.-con., brick and steel, Penn Ave. $250,000.

Pa., Williamsport — THEATRE — V. C. Luppert plans 4 story and basement, 146 x 176 ft., rein.-con. and steel, 4th St. $250,000.

Md., Baltimore—OFFICE—Central Fire Insurance Co., Holliday and Baltimore Sts., having plans prepared by C. N. and N. Friz, Lexington Bldg., 3 story, 71 x 111 ft., brick, steel and limestone, plain foundation, Holliday and Fayette Sts. $250,000.

Miss., Hattiesburg — HOTEL — M. V. Walters will not construct 6 story and basement, 60 x 120 ft., rein.-con., brick and terra cotta, Main and New Orleans St. $300,000. Project abandoned. N. W. Overstreet, Mississippi Fire Bldg., Jackson, archt. Noted Apr. 7.

Miss., Natchez—HOTEL—Natchez Hotel Co., c/o Eagle & Laub, Natchez, soon takes bids 5 story, rein.-con., brick and stone hotel. $500,000 . Weiss, Dreyfus & Seiferth, Maison Blanche Bldg., New Orleans, La., archts.

O., Akron—THEATRE—H. H. Feiber and M. A. Shea, 1540 Bway., New York City, associated with Keith Albee Interests, 1564 Bway., New York City, plans theatre on present site Colonial Theatre, Mill and High Sts., here. $1,500,000.

O., Apple Creek — ADMINISTRATION, COTTAGES, etc.—J. C. Harper, dir. Pub. Welfare, Oak and 9th Sts., Columbus, having plans prepared by H. B. Briggs, Ohio-Hartman Bldg., Columbus, constructing new institution for Feeble Minded, incl. administration building, cottages, power plant, etc., here. $650,000.

O., Cleveland—OFFICE and FACTORY—Industrial Fibre Co., H. Rivitz, vice pres., West 98th St. and Walford Ave., having plans prepared by W. S. Ferguson Co., archts. and engrs., 1900 Euclid Bldg., 2 story, 40 x 100 office building, and 1 story, 41 x 227 ft. factory, brick and steel, West 98th St. and Walford Ave. $200,000.

O., Lorain—THEATRE—J. H. Solomon, c/o Temple Theatre, having plans prepared by A. F. Janowitz, 811 Prospect Ave., Cleveland, 1 story and basement, brick, steel and concrete motion picture theatre, 1,000 seating capacity. $150,000.

O., Orient—COTTAGE—J. E. Harper, dir. Dept. Welfare, Oak and 9th Sts., Columbus, having plans prepared by H. B. Briggs, Ohio-Hartman Bldg., Columbus, 1 story and basement, 40 x 250 ft. with 4 wings, brick and concrete, Orient Farm for Feeble Minded, here. $150,000.

O., Youngstown — EXCHANGE — Ohio Bell Telephone Co., R. P. Elde, genl. mgr., 4300 Euclid Ave., Cleveland, soon lets contract, 1 story and basement, 75 x 80 ft., brick and rein.-con. telephone exchange. $100,000. F. B. Ward, 4300 Euclid Ave., Cleveland, archt. Noted Feb. 24.

Ind., Gary — CITY HALL — City had plans prepared by P. W. Maher, 157 East Erie St., Chicago, Ill., and takes bids about June 1, 2 story and dome, 78 x 200 ft., cut stone city hall. $600,000 Noted Mar. 17.

Ind., Lafayette — HOSPITAL — Home Hospital having plans prepared by W. Scholer, 301 Painters & Decorators Bldg., and takes bids about June 1, 4 story, rein.-con., brick and stone hospital. $150,000. Noted Nov. 25.

Ill., Chicago—WAREHOUSE and BAKERY — Consumers Sanitary Coffee & Butter Stores, 5000 South Halsted St., had plans prepared by R. S. Smith, 111 West Monroe St., and takes bids about June 16, 142 x 282 ft. warehouse, and 60 x 170 ft. bakery, both 3 story, rein.-con., brick and stone, 83rd St., Vincennes and Stewart Aves, Archts. est. incl. site $1,000,000.

Ia., Des Moines—NEWSPAPER—Successful Farming Publishing Co., 1714 Locust St., having plans prepared 3 story, basement and sub-basement, 60 x 157 ft., rein.-con., brick and stone addition, plain foundation. $300,000.

Neb., Grand Island—THEATRE—World Realty Co., 1506 Douglas St., Omaha, having plans prepared by J. T. Allan, 224 Brandeis Theatre Bldg., Omaha, 88 x 140 ft. theatre, 1,500 seating capacity, here. $150,000. Noted Sept. 2.

Minn., Minneapolis — STORE, OFFICE and GARAGE — La Salle Realty Co., S. T. McKnight, pres., 1236 McKnight Bldg., having plans prepared by Larsen & McLaren, 308 Baker Bldg., 3 story and basement, rein.-con. and granite, 5th St. and 2nd Ave. S. $250,000.

Minn., St. Paul—HOSPITAL—Ramsey Co. Bd. Control, O. J. Tong, secy., Pittsburgh Bldg., plans Ancker Hospital, 3 or 4 story and basement, rein.-con., brick and stone, Jefferson and Colbourne Sts. $200,000. Engineer and architect not announced.

Mo., Kansas City — OFFICE — A. J. Rector, 309 Pioneer Bldg., having plans prepared 15 story and basement, rein.-con., brick and steel, 14th and Main Sts. Private plans.

Mo., Mt. Vernon—HOSPITAL—Lawrence Co., election July 19, $150,000 bonds, hospital.

Ark., Little Rock — OFFICE — G. W. Donaghey, Donaghey Bldg., postponed indefinitely construction (probably to 1928) 8 or 10 story, 70 x 140 ft., rein.-con., brick, steel and stone, Main and Markham Sts. Private plans. Noted Mar. 10.

Tex., Amarillo — WHOLESALE — G. A. Carlander, archt., 15 Massie Bldg., soon takes bids 4 story and basement, 120 x 140 ft., brick, stone and rein.-con., 6th and Grant Sts., for Amarillo Hardware Co.

Tex., Dallas—MEDICAL ARTS—Carey-Snider Investment Co., 217 Medical Arts Bldg., soon lets contract, 1 story, rein.-con. and steel annex. $1,000,000. H. M. Greene Co., 807 Santa Fe Bldg., archts. Noted Mar. 31.

Wash., Seattle—STORE—A. W. Willatsen, archt., Lumber Exch. Bldg., takes bids about June 9, 2 story, concrete, brick and steel addition, 2nd and Pike Sts., for McDougall & Southwick Co. $150,000.

Ore., Eugene—APARTMENT—Hunzicker & Graham, archts., Eugene, preparing plans apartment. To exceed $300,000. Owner's name withheld.

Ore., Portland—THEATRE and OFFICE—R. B. Lloyd, c/o F. D. Norton, 6th and Multnomah Sts., having plans prepared 6 story, 120 x 300 ft. theatre and office, Killingsworth and Union Aves. To exceed $250,000. Engineer and architect not announced.

Calif., Fresno—LODGE, CLUB and STORES—B.P.O.E., Fresno Lodge 439 having plans prepared by Kump & Johnson, Rowell Bldg., 3 story (ultimately 6 story) and basement, 75 x 125 ft., fireproof, Tulare and L Sts. $200,000.

Calif., Hollywood—HOTEL—W. Allen & E. A. Sheet, archts., 913 Pacific Natl. Bank Bldg., Los Angeles, preparing preliminary plans hotel, here. $300,000. Owners name withheld.

Calif., Los Angeles — OFFICE — Los Angeles Co. having plans prepared by K. W. Muck, Hall of Records Bldg., 4 story and basement, 120 x 140 ft., brick, Bway. near 1st St. $150,000 or more.

Calif., Oakland — APARTMENT and STORE — M. Witkow, Telegraph Ave. and Channing Way., Berkeley, having sketches made by C. N. Burrell, Amer. Bank Bldg., 6 story and basement, brick and steel, Haste St. and Telegraph Ave. $160,000.

Calif., Palo Alto — APARTMENT — W. Staller, 27 Mallorca Way., San Francisco, having plans prepared by J. C. Hladik, Monadnock Bldg., San Francisco, 5 story and basement, rein.-con., Forest St. and Gilman Ave. $200,000.

Calif., San Francisco—APARTMENT—H. Hegrefe, 637 Powell St., had plans prepared by E. E. Young, 2002 California St., 6 story and basement, steel and rein.-con., Polk and Lombard Sts. To exceed $150,000.

Calif., San Francisco — HOTEL and CHURCH — Methodist Book Concern, 5 City Hall Ave., having preliminary plans prepared by L. P. Hobart, Crocker Bldg., 23 story, steel and rein.-con., McAllister and Leavenworth Sts. $2,000,000. T. Ronneberg, Crocker Bldg., engr.

Calif., San Jose — HOSPITAL — Santa Clara Co. had plans prepared by Binder & Curtis, 35 West San Carlos St., 2 story, rein.-con. annex. $150,000.

Calif., San Jose—HOTEL and STORE—Rendel Estate, c/o Binder & Curtis, archts., 35 West San Carlos St., having plans prepared, 3 story and basement, rein.-con., South 1st St. $150,000.

Ont., Ottawa — OFFICE — Dept. Pub. Wks., having plans prepared by R. C. Wright, Parliament Bldgs., 6 or 8 story and basement, 200 x 270 ft., concrete, brick, stone, tile and marble office building. $3,000,000. Noted Mar. 31.

Ont., Windsor—CLUB—Deauville Beach Club, 630 Book Bldg., Detroit, Mich., had plans prepared by F. D. Madison, 212 1st State Bank Bldg., Royal Oak, Mich., 9 story and part basement, rein.-con., brick

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Buildings—Commercial (Continued)

and steel, plain foundation, on Lake St. Clair, here. $1,000,000.

Ont., Windsor—OFFICE—S. Meretsky, 840 Ouellette Ave., having plans prepared by Pennington & Boyde, Bartlett Bldg., 5 story and basement, concrete, brick, steel, stone and tile, Ouellette Ave. $175,000.

Bids Desired

Mass., Brookline (br. Boston)—APARTMENT—See "Contracts Awarded."

Mass., Dedham—MASONIC—Constellation Lodge A. F. & A. M., J. W. Withington, chn. com., Washington St., taking bids 2 story and basement, brick and stone, plain foundation, Washington St. $150,000. J. G. Hutchinson, 10 Norwell Rd., East Dedham, archt.

Mass., Dorchester (Boston P. O.)—FIRE STATION—June 3, by City of Boston, Fire Dept., and J. M. Gray, archt., 175 High St., Boston, taking new bids on revised plans 2 story, brick and stone, plain foundation, Parish St., Meetinghouse Hill, here. $150,000. Former bids rejected. Noted May 5.

Mass., Mansfield—THEATRE and STORE—E. L. and H. L. White, c/o J. E. Kelley, archt., South Main St., Randolf, taking bids 2 story and basement, brick, steel and stone, plain foundation, here. $150,000.

Mass., Somerville (br. Boston)—APARTMENT—See "Contracts Awarded."

N. Y., New York — APARTMENT HOTEL — See "Contracts Awarded."

N. Y., New York — LOFT — See "Contracts Awarded."

N. J., Iselin—THEATRE and STORE—E. Wierzbicki, archt., 175 Smith St., Perth Amboy, taking bids 2 story and basement, 60 x 105 ft., brick and steel, plain foundation, here, for S. A. Lamolni, c/o architect. $150,000.

N. J., Verona (Ind. br. Montclair) — APARTMENT and STORE—See "Contracts Awarded."

N. J., West New York (Ind. br. Weehawken)—THEATRE and STORE—See "Contracts Awarded."

Pa., Phila.—THEATRE, STORE, etc.—May 27, by Ballinger Co., archts., 12th and Chestnut Sts., general contract 1 and 2 story and basement, 180 x 238 ft., rein.-con., brick and steel, plain foundation, Rising Sun Ave. and Oxford Pike, for Oxford Theatre Co., Inc., c/o T. Kirmse, 6500 Rising Sun Ave. Noted Apr. 28.

Md., Baltimore—KITCHEN—May 31, by J. E. Sperry, archt., Calvert Bldg., 2 story, irregular shaped, rein.-con., brick, steel and stone addition, Bway. and Monument Sts., for Johns Hopkins Hospital, Bway. and Monument Sts. $200,000. H. F. Doelman, 516 North Charles St., engr.

Ky., Lakeland—HOSPITAL—June 1, by M. J. Murphy, archt., 1020 Bardstown Rd., Louisville, 2 story and part basement, 50 x 100 ft. wing, Louisville-La Grange Rd., here, for State Bd. Charities & Correction, Frankfort. $150,000.

O., Canton — HOSPITAL — June 2, by Building Comn. Stark Co., general contract tuberculosis hospital, Canton-Alliance Rd. $700,000. A. L. Thayer, New Castle, Pa., archt. Noted Jan. 20.

O., Cleveland — STORE, OFFICE and SUITES — P. J. Bradshaw, archt., 1900 Euclid Bldg., taking bids and open same about May 29, 2 story and basement, 65 x 102 ft., brick and concrete, West 117th St. and Detroit Ave., for Loews Ohio Theatres, Inc., c/o J. Laronge, Union Trust Bldg. $150,000. Noted Apr. 21.

O., Gambier — HALL — See "Contracts Awarded."

Ind., Indianapolis — APARTMENT — H. K. Fatout, 3107 Ruckle St., taking bids 2 story and basement, 87 x 141 ft., brick and steel, 15th and College Sts. $150,000. Private plans.

Wis., Green Bay — HOSPITAL — Bellin Memorial Hospital, c/o J. J. Bellin, Bellin Bldg., taking bids 3 story, 44 x 55 ft., rein.-con., brick and steel, plain foundation. $150,000. Private plans. Noted July 1.

Ill., Chicago — CLUB — June 8, by Granger & Bollenbacher, archts., 332 South La Salle St., 8 story and basement, 72⅞ x 80⅝ ft., rein.-con., brick and terra cotta addition, concrete pile foundation, Van Buren St. and South Michigan Ave., for Chicago Club, Van Buren St. and South Michigan Ave. $1,000,000. Noted Mar. 17.

Ill., Springfield—POLICE STATION and CITY PRISON—May 31, by City Council, Mayor's Office, 2 story and basement, 40 x 60 x 157 ft., brick and terra cotta front, plain foundation, here. M. S. Hanes, Springfield, archt.

S. D., Aberdeen—HOSPITAL—May 31, by St. Lukes Hospital, 5 story and basement, rein.-con., brick and Bedford stone addition, State St. and 3rd Ave. $300,000.

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J. H. Wheeler, 403 Exch. Bank Bldg., St. Paul, Minn., archt. Noted Jan. 13.

Mo., Kansas City—APARTMENT—See "Contracts Awarded."

Mo., St. Louis—HOTEL—See "Contracts Awarded."

Mo., St. Louis—STORE and HOTEL—See "Contracts Awarded."

Tex., San Antonio—HOSPITAL—Santa Rosa Infirmary, 745 West Houston St., taking bids 5 story and basement, 50 x 160 ft., rein.-con. and brick, plain foundation, Houston and Santa Rosa Sts. $300,000. A. B. and R. M. Ayres, 626 Bedell Bldg., archts. Noted Nov. 25.

Calif., Los Angeles—LOFT—See "Contracts Awarded."

Calif., Oakland — APARTMENT — See "Contracts Awarded."

Calif., San Francisco—APARTMENT—See "Contracts Awarded."

Que., Quebec City—ARCHIVES—Dept. Pub. Wks. taking bids 3 story, stone and steel archives building, on Battlefields Park. $400,000. W. Lacroix, Quebec City, archt.

Contracts Awarded

Mass., Boston—OFFICE and STORE—A. Rosenberg, 92 Leverett St., Boston, 5 story and basement, brick and stone, plain foundation, 18 Newbury St., to J. Shapiro & Son, 27 School St. Archts. est. $150,000.

Mass., Boston — TERMINAL — Boston Terminal Co., South Station, altering Interior South Station Terminal, Summer St., to J. C. Pitcher Co., 46 Cornhill. Noted Apr. 28.

Mass., Brookline (br. Boston)—APARTMENT—Chandler Realty Co., 138 Worcester St., Boston, will build 3 story and basement, brick and stone, plain foundation, 425-431 Washington St., $200,000. Work to be done by separate contracts. Eisenberg & Feer, 46 Cornhill, Boston, archts.

Mass., Dedham—STORE and APARTMENT — B. Paterbaude, 574 High St., 3 story and basement, brick and stone, plain foundation, High St., to Dacey & Tibbitts, 70 Porter Rd., Cambridge. Archts. est. $150,000. Noted Apr. 28.

Mass., Gardner—THEATRE—G. A. Giles, Co., Inc., c/o R. L. Ripley, 689 Massachusetts Ave., Cambridge, 1 and 2 story and basement, brick and steel addition to Orpheum Theatre, Parker St., to C. St. Hilaire, 66 Parker St. Archts. est. $150,000. Noted Mar. 31.

Mass., Somerville (br. Boston)—APARTMENT—P. Salvi, 274 Elm St., will build 4 story and basement, 60 x 120 ft., brick, concrete foundation, 123 Orchard St. $150,000. Work will be done by separate contracts. Private plans.

R. I., Providence—OFFICE—State of Rhode Island, J. S. Holbrook, chn. com., 3 story and basement, rein.-con. and brick, Smith and Davis Sts., to J. W. Bishop Co., 93 Eddy St. Archts. est. to exceed $150,000. Noted Apr. 28.

R. I., Providence — STORE, DANCE HALL, etc.—T. DeCesare, 598 Charles St., 3 story and basement, brick and stone, plain foundation, Charles St., to Lorenzo Deacutis, 589 Charles St. Archts. est. $150,000. Noted Apr. 28.

Conn., Danbury—HOTEL—Hotel Green, J. Harris, 198 Main St., 7 story, 64 x 122 ft., brick and steel, annex, to Torrington Building Co., 187 Church St., Torrington. Archts. est. $300,000. Noted Apr. 14.

Conn., Hamden (br. New Haven) — BANK — Hamden Bank & Trust Co., 2 story and basement, 85 x 110 ft., brick, steel and stone, Dixwell Ave., to Natl. Constr. Co., 151 Court St., New Haven. Archts. est. $200,000. Noted Apr. 21.

N. Y., Brooklyn—APARTMENT HOTEL—Treib & Brodsky, 26 Court St., will build 6 story and basement, 100 x 180 ft., brick, steel and stone, plain foundation, 11th Ave. and 84th St. $800,000. Work will be done by separate contracts. M. A. Cantor, 66 Court St., archt. Noted Apr. 7.

N. Y., Brooklyn—APARTMENT—Lobart Realty Corp., 10 West 33rd St., 9 story, 66 x 132 ft., rein.-con., steel and brick, plain foundation, Lincoln Ave. near 8th Ave., to Fredburn Constr. Co., 7 East 44th St. Archts. est. $400,000.

N. Y., New York — APARTMENT — Dobell Building Corp., c/o Moore & Landsiedel, archts., 3rd Ave. and 148th St., will build 6 story, 75 x 89 ft. apartment, Rochambeau Ave. near 212th St. $175,000. Work will be done by separate contracts.

N. Y., New York—APARTMENT—Harnod Constr. Corp., 153 West 72nd St., will build 15 story and basement, 84 x 100 ft. apartment, 310 West 106th St. $750,000. Work will be done by separate contracts. G. F. Pelham, 507 7th Ave., archt.

N. Y., New York—APARTMENT—Saison Building Corp., c/o Schaefer & Rutkins, archts., 645 East Tremont Ave., will build 6 story, 87 x 150 ft., brick and steel, plain foundation, 176th St. and Andrews Ave. $350,000. Work will be done by separate contracts.

N. Y., New York — APARTMENT — A. Mungo & Son (owner and contractor), 615 Pelham Parkway, 6 story and basement, 117 x 153 ft., rein.-con., brick and steel, plain foundation, Pelham Parkway and Bronx Park East. $250,000.

N. Y., New York—APARTMENT—B and C Building Corp., 1886 Harrison Ave., will build 6 story, 84 x 100 ft., brick, steel and stone, plain foundation, Harrison Ave. near Morton Pl. $275,000. Work will be done by separate contracts. C. Kreymborg, 2544 Marion Ave., archt.

N. Y., New York — APARTMENT — Simon-Harstein Co., Inc., 285 Madison Ave., will build 6 story, 100 x 102 ft., brick and steel, plain foundation, 327 East 80th St. $300,000. Work will be done by separate contracts. Gronenberg & Leuchtag, 1385 Bway., archts.

N. Y., New York—APARTMENT HOTEL—J. A. Moller, Inc., 51 East 42nd St., will build 16 story and basement, 75 x 98 ft., brick, steel and stone, plain foundation, 148-152 East 39th St. $650,000. Work will be done by separate contracts. H. I. Cobb, Jr., 51 East 42nd St., archt.

N. Y., New York—LOFT—Three Hundred Eighty-Six 4th Avenue Corp., c/o A. Greenbaum, 232 Madison Ave., will build 20 story, brick, steel and stone, plain foundation, 386 4th Ave. $1,250,000. Work will be done by separate contracts.

N. J., Camden — WAREHOUSE and GARAGE—G. S. Kingsley, archt., 145 West 41st St., New York City, 5 story and basement, 50 x 115 ft. warehouse and 1 story, 20 x 50 ft. garage, rein.-con., brick and steel, plain foundation, Haddon Ave. and Copeland St., here, to Barclay White Co., 1713 Sansom St., Phila., Pa., for Bell Storage Co., 1006 South 6th St. Noted Apr. 4.

N. J., Verona (Ind. br. Montclair) — APARTMENT and STORE—H. Anderson, 36 Spring St., Montclair, will build 4 story, 51 x 85 ft., brick and steel, plain foundation, Bloomfield Ave. $150,000. Work will be done by separate contracts. E. Bonnett, 31 Spring St., Montclair, archt.

N. J., West New York (Ind. br. Weehawken)—THEATRE and STORE—Monitor Park Theatre Corp., 20th St. and Park Ave., will build 2 story and basement, 50 x 100 x 100 ft., brick and steel, plain foundation, Park Ave. and 20th St. $200,000. Work will be done by separate contracts. P. A. Vivarittas, 110 48th St., Union City, archt.

La., Shreveport—OFFICE—Medical Arts Building Co., c/o J. Benson, 502 Atkins St., 12 story and basement, 133 x 150 ft., rein.-con., brick and steel, Travis St., to C. L. Shaw, 767 South Lamar St., Dallas, Tex. Archts. est. $700,000. Noted Mar. 24.

O., Gambier — HALL — Kenyon College will build fireproof Ascension Hall, 4 story and basement, 65 x 150 ft., on campus. Work will be done by separate contracts under supervision of Ronan & Ingleson, archts., 1614½ North High St., Columbus.

Ind., Indianapolis—APARTMENT—Commonwealth Realty Co., 913 Fletcher Trust Bldg., general contract 3 story and basement, 90 x 120 ft., rein.-con., brick and steel, Maple Rd. and Boulevard Pl., to F. W. Hauser, 605 Merchants Bank Bldg. Archts. est. $200,000.

Mich., Detroit—CLUB—Y.M.C.A., A. G. Studer, Adams Ave., 5 story and basement, 125 x 150 ft., rein.-con., brick and steel, plain foundation, Jefferson and Garland Aves., to Talbot & Meier, 250 West Lafayette Blvd. Archts. est. $500,000. Noted Mar. 24.

Ill., Chicago — APARTMENT—Koeingsberg & Weisfeld, archts., masonry and concrete contract 7 story, 108 apartment, fireproof, 712 Diversey Blvd., to Janisch & Co., 1813 Winona St.; carpentry, to Halvorsen & Almquist; electrical work, to Local Electric Co., 1758 North Rockwell St.; plumbing, to Marcus Weil & Sons, 3222 Elston Ave.; refrigeration, to Peerless Ice Machine Co., 503 South Jefferson St., for Seven Hundred and Twelve Diversey Boulevard Building Corp., 712 Diversey Blvd. Archts. est. $750,000.

Ill., Chicago—APARTMENT and STORE—Levy & Klein, archts., 165 West Wacker Dr., masonry and concrete contract 12 story and basement, 100 x 150 ft., rein.-con., brick, stone and terra cotta, Kenmore and Bryn Mawr Aves., to Complete Artificial Stone Co., 3310 Belmont Ave.; plumbing, to J. H. Schiller & Co., 1512 West Roosevelt Rd.; heating, to Ideal Heating Co., 6316 Wentworth Ave.; terra cotta, to Midland Terra Cotta Co., 105 West Monroe St.; elevators, to Elevator Company of America, 190 North State St.; and refrigerating machine, to Peerless Ice Machy. Co., 503 South Jefferson St., for Marle Building Corp., c/o architects. Archts. est. $1,100,000. Noted Mar. 3.

Bridges (Continued)

Ill., Chicago—APARTMENT, OFFICE and STORE—C. W. Lampe & Co., archts., 155 North Clark St., general contract 3 story and basement, 150 x 176 ft., rein.-con., brick and stone, Austin and Madison St., to Finlayson Bros., 137 North Clark St., for Koclanes Bros., 529 North Clark St. Archts. est. $700,000. Noted Apr. 14.

Ill., Chicago — GARAGE — Huszach & Hill, archts., 6 North Michigan Ave., general contract 6 story and basement, 88 x 150 ft., rein.-con., brick and terra cotta, 5050 Bway., to W. G. McNulty & Bro., 58 East Washington St., for S. A. Malato, 155 North Clark St. Archts. est. $400,000. Noted May 5.

Ill., Chicago—HOSPITAL—A. S. Alschuler, archt., 28 East Jackson Blvd., general contract 10 story and basement, 40 x 80 ft., rein.-con., brick and terra cotta, Washington and Franklin Sts., to McLennan Constr. Co., 307 North Michigan Ave., for Chicago Eye, Ear, Nose & Throat Hospital, Washington and Franklin Sts. Archts. est. $700,000. Noted Mar. 17.

Ill., Chicago—HOTEL—J. B. Drell, 631 West Madison St., masonry and concrete contract 5 story and basement, 30 x 180 ft., rein.-con., brick and terra cotta, 662-64 West Madison St., to J. A. Lundstrum & Co., 1107 Addison St. Archts. est. $300,000. Noted Apr. 28.

Ill., Chicago—HOTEL and STORE—D. S. Klafter, archt., 64 West Randolph St., masonry and concrete contract 8 story and basement, 53 x 152 ft., rein.-con., brick and terra cotta, 4539-41 Sheridan Rd., to Rosenberg, Peterson & Leaf, 5153 North Clark St., for J. A. Bidderman, 10 South La Salle St. Archts. est. $850,000. Noted Sept. 23.

Ill., Chicago — LODGE — Three Links Lodge 812, I. O. O. F., c/o P. Gerhardt, archt., 64 West Randolph St., masonry and concrete contract 6 story and basement, 100 x 108 ft., rein.-con., brick and steel, 4740-48 North Western Ave., to J. Traff, 3735 North Clark St.; steel sash, to Truscon Steel Co., 165 East Erie St.; steel contract, to Vanderkloot Steel Wks., 2611 South Halstead St. Archts. est. $600,000. Noted Apr. 7.

Ill., Chicago — MASONIC LODGE, STORE and APARTMENT — A. L. Salzman, archt., 3 story and basement, fireproof, on 115 x 125 ft. site, 43rd St. and Indiana Ave., to A. L. Salzman Eng. Co., 10 North Clark St., for J. L. Salomon. Archts. est. $500,000.

Ill., Chicago—THEATRE—C. H. Crane, archt., 32 West Randolph St., general contract 1 story, 100 x 120 ft., Randolph and Dearborn Sts., to Longacre Eng. & Constr. Co., 127 North Dearborn St., for United Artists Theatre Circuit, Inc., c/o J. M. Schenck, 729 7th Ave., New York City. Archts. est. $600,000. Noted Mar. 10.

Ill., Chicago — WAREHOUSE and STORE — Teich & Sullivan, archts., 64 West Randolph St., masonry contract 3 story and basement, 142 x 150 ft., rein.-con., 3632-42 Bway., to M. Rauen & Co., 326 West Madison St.; electrical work, to Horn Electric Co., 115 North Des Plaines St.; reinforcing steel, to Kalman Steel Co., 410 North Michigan Ave.; refrigerating machinery, to Westerlin & Campbell, 1113 Cornelia Ave., for Wieland Dairy Co., 3632 Bway. Archts. est. $150,000. Noted Apr. 14.

Ill., Evanston — APARTMENT — V. C. Carlson, 626 Church St., general contract 7 story and basement, 50 x 135 ft., rein.-con. and brick, 1430 Chicago Ave., to V. C. C. Constr. Co., 626 Church St.

Ill., Kankakee—THEATRE, OFFICE and STORE—J. J. Redding & Co., 10 North Clark St., masonry and carpentry contract 3 story and basement, 150 x 150 ft., rein.-con., brick, steel and stone, Dearborn Ave. and Merchant St., to Immel Constr. Co., Fond Du Lac, Wis.; plumbing and heating, to J. R. Blatchford, Kankakee; electrical wiring, to Dionee Electric Co., Joliet. Archts. est. $750,000. Noted Sept. 23.

Mo., Kansas City—APARTMENT—C. E. Phillips, 600 Victor Bldg., will build rein.-con. and brick, 46th St., Terrace and Central Aves., by day labor. $300,000. N. E. Peters, Orear Leslie Bldg., archts.

Mo., St. Louis — APARTMENT — Block Bros., 3617 Delmar Blvd., 10 story and basement, 50 x 140 ft., rein.-con., brick, stone and terra cotta, Delmar Blvd., to William H. Smith Co., 110 North 7th St. Archts. est. $350,000.

Mo., St. Louis—APARTMENT—Walpert Bros., c/o C. Etz, archt., 9507 Milton Ave., 3 and 4 story and basement, 50 x 125 ft., rein.-con., brick and terra cotta, Lindell Blvd., to William H. Smith Co., 110 North 7th St.

Mo., St. Louis—HOTEL—A. E. Lewis, c/o Sylvester Lewis Realty Co., 4919 Natural Bridge Ave., will build 8 story and basement, 150 x 150 ft., rein.-con., brick and terra cotta, Natural Bridge and Spring Aves. $750,000. Work will be done by separate contracts. J. T. Craven Eng. Co., Century Bldg., archt.

Mo., St. Louis—STORES and HOTELS—F. Yawitz, 2333 Pine St., will build 4 story and basement, 91 x 262 ft. store and hotel, Beaumont and Olive Sts.; 4 story and basement, 42 x 69 ft., 2332 Olive St., and 3 story and basement, 62 x 125 ft., 3000 Olive St., all rein.-con., brick and stone. $275,000. Work will be done by separate contracts.

Ark., Bentonville—COURT HOUSE—Benton Co. Court, 3 story, 72 x 120 ft., rein.-con., brick and stone, to Stewart-McGeehee Constr. Co., Kahn Bldg., Little Rock, $200,000. Noted Apr. 21.

Tex., Midland—STORE and OFFICE—J. B. Thomas, doctor, 5 story and basement, 45 x 100 ft., rein.-con. and steel, plain foundation, to R. E. McKee, El Paso; reinforcing structural steel, and miscellaneous iron work to North Texas Iron & Steel Co., 1401 North Adams St., Ft. Worth; elevator, hollow metal and Kalamein doors to Austin Bros., 1815 Coombs St., Dallas; plumbing and heating, to Clark & Malone, Midland; electric wiring, to Ware Co., El Paso. Archt. est. $150,000. Noted Apr. 7.

Calif., Eureka—MAUSOLEUM—Sunset Memorial Park Mausoleum Corp., rein.-con., stone, steel and marble, incl. 200 crypts, etc., in Sunset Park, to Mercer-Fraser Co., Eureka. $165,000.

Calif., Laguna Beach—HOTEL—Laguna Beach Hotel Corp., part 2 and 3 story, steel hotel, incl. swimming pool and golf course, to Umbarger Constr. Co., 4505 West 1st St., Los Angeles, approximately $350,000.

Calif., Los Angeles—APARTMENT—California Land & Building Co., 4 story and basement, 75 x 115 ft., brick, 11th St. and Normandie Ave., to Callahan & Sons, Edwards-Wildey Bldg., $165,500.

Calif., Los Angeles — HOSPITAL and NURSES HOME—L. H. Hibbard, archt., Metropolitan Bldg., 4 story and basement, 40 x 260 ft. hospital wing, and 3 story, 60 x 252 ft. nurses home, both rein.-con., Sunset Blvd., to Wurster Constr. Co., Natl. City Bank Bldg., for Children's Hospital Assn. $491,967. Noted May 5.

Calif., Los Angeles — LOFT — Bullocks Dept. Store, 12 story and basement, 80 x 85 ft., brick and steel, 7th and Hill Sts., to P. J. Walker Co., Gerland Bldg., approximately $375,000.

Calif., Los Angeles — LOFT — Lloyd & Casler, Textile Center Bldg., will build 12 story and basement, 100 x 160 ft., rein.-con., Pico St. and Maple Ave., by day labor and sub-contracts. Noted Dec. 2.

Calif., Los Angeles—OFFICE—Wright-Aiken Corp., office building, 5th and Figueroa Sts., to Simpson Constr. Co., Bank of Italy Bldg., $572,575.

Calif., Los Angeles—STORE and APARTMENT—Guardian Holding Co., Commercial Exch. Bldg., 7 story and basement, rein.-con., with 100 x 100 ft. garage quarters, Hollywood Blvd., to W. D. Lee, Textile Center Bldg., approximately $350,000.

Calif., Los Angeles — WAREHOUSE — Westland Warehouses, Inc., Central Mfg. Dist., 6 story and basement, 100 x 160 ft., rein.-con. additions, to W. P. Neill Co., 4814 Loma Vista, Central Mfg. Dist.

Calif., Oakland — APARTMENT—Madison-Lake Corp., c/o W. H. Weeks, archt., 369 Pine St., San Francisco, will build rein.-con., Lake and Madison Sts., by day labor and sub-contracts under supervision of architects. $300,000.

Calif., San Francisco—APARTMENT—Christiansen Bros. (owners and general contractors), 687 20th Ave., will build 5 story and basement, rein.-con., Chestnut St. near Pierce St. $165,000. Private plans.

Calif., San Francisco—APARTMENT—One Thousand Three Hundred and Sixty Jones, Inc., c/o W. E. Schirmer, archt., Thayer Bldg., Oakland, 8 story and basement, rein.-con., Jones and Washington Sts., to C. W. Heyer, Jr., Mills Bldg., San Francisco, approximately $250,000.

Calif., San Francisco—APARTMENT—M. Marcussen, 4516 Balboa St., will build 6 story and basement, steel and concrete, Green and Laguna Sts., by day labor and segregated contracts. $200,000. H. C. Baumann, 251 Kearny St., archt.

Calif., San Francisco—HOTEL—A. B. Haslacher, 6 story and basement, rein.-con., Hyde St. near Turk St., to R. W. Moller, 628 Call Bldg., $165,000.

Buildings — Industrial

Proposed Work

R. I., Pawtucket—REPAIR and SERVICE GARAGE—Balkcom Brooks Co., 144 East Ave., having sketches made by Dwight-Seabury Co., 12 East Ave., rein.-con., plain foundation. $40,000.

N. J., Bloomfield—SHIRT FACTORY—Owner, c/o F. Pierson, archt., 160 Bloomfield Ave., having plans prepared 1 story, 50 x 100 ft., brick and steel, plain foundation, 98 Thomas St. $40,000.

N. J., Jersey City—CAN FACTORY—Amer. Can Co., 120 Bway., New York City, having plans prepared by C. G. Preis, ch. engr. of owner, 7 and 8 story, 200 x 900 ft., rein.-con., concrete pile foundation, St. Pauls Ave. and Erie R.R. tracks, here. $2,000,000.

Pa., Pittsburgh — BOLT MANUFACTURING—R. D. Nuttall Co., Harrison Ave., having plans prepared by B. H. Prack, Martin Bldg., 1 and 3 story, irregular shaped, brick and steel, 54th St. $200,000.

Pa., Pittsburgh—SAND and GRAVEL PLANT—Rodgers Sand Co., 1 Wood St., soon lets contract warehouse, garage, boiler house, shops, and storage buildings, Ridge Ave. $250,000. Hunting Davis Co., Century Bldg., archts.

O., Apple Creek—POWER PLANT—See "Buildings—Commercial."

O., Euclid—FACTORY—Euclid Crane & Hoist Co., W. White, secy., Chardon Rd., plans 1 story, 40 x 170 ft., brick and steel addition. $40,000. Private plans.

Ill., Hartford — BOILER HOUSE — International Shoe Co., 1505 Washington Ave., St. Louis, Mo., having plans prepared by H. Reinhardt, 1820 Cherokee St., St. Louis, Mo., 2 story, 36 x 54 ft., rein.-con., brick and steel, here. $40,000. F. Hume, 1820 Cherokee St., St. Louis, Mo., engr.

Ill., Kewanee — POWER PLANT and SUB-STATION — Illinois Power & Light Corp., 231 South La Salle St., Chicago, E. S. Hight, ch. engr., soon takes bids (1st unit), 800 x 800 ft., rein.-con., brick and steel, plain and concrete pile foundation, 10,000 kw. capacity, near here. To exceed $150,000.

Ia., Sheldon — POWER PLANT — Defeated $35,000 bonds, light and power plant. Noted Apr. 28.

Ia., Waterloo — BAKERY — Campbell Baking Co. plans 2 or 3 story and basement, brick bakery. $150,000. Private plans.

Kan., Argentine (Ind. sta. Kansas City) — ICE PLANT — Chicago Rock Island & Pacific Ry. Co., C. A. Morse, ch. engr., La Salle St. Sta., Chicago, Ill., making plans rein.-con. and brick ice plant, here. $250,000.

Kan., Kansas City—FOUNDRY—Gould Castings Corp., c/o A. Raymond Gould, 5256 Vernon Ave., St. Louis, Mo., takes bids about June 4, 1 story, 150 x 375 ft., rein.-con. and brick, Gould and Quindaro Sts., here. Private plans.

Ark., Little Rock—PLANT—Little Rock Textile Co. purchased 500 acre site and plans textile plant.

Ark., Magnolia—COTTON MILL—Magnolia Cotton Mill Co. having plans prepared by J. E. Sirrene & Co., 309 South Main St., Greenville, S. C., 5,000 spindle cotton mill.

Texas—POWER PLANT—Texas-Louisiana Power Co., c/o Harris Trust Bldg., Chicago, Ill., plans power plant Brazoria, $35,000, also plans plant Velasco, near Brazos River with full machinery and equipment, $75,000. Private plans.

Tex., Edinburg—CANNING and COLD STORAGE PLANT—Valley Refrigeration & Canning Corp., c/o A. Y. Baker, made plans and soon takes bids 1 story, 110 x 350 ft. canning plant, and 110 x 200 ft. cold storage plant, both steel and concrete. $250,000. Private plans.

Tex., McAllen — COLD STORAGE PLANT—R. E. Horn, McAllen, and S. N. Hughes, c/o Brady Bldg., San Antonio, making preliminary plans cold storage plant, cork lined. $60,000. Private plans.

Tex., Santa Ana—ICE PLANT—West Texas Utilities Co., Abilene, made plans 15 ton capacity probably electrically operated ice plant, here. $40,000. Work may be done by company forces. Private plans.

Wash., Bellingham—PULP and PAPER FACTORY — J. H. Bloedel of Bloedel-Donovan Mills, plans paper and pulp factory, 700 ft. long, 110 ton capacity, here. $5,000,000.

Wash., Seattle—POWER PLANT—See "Unclassified."

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Buildings—Industrial (Continued)

Calif., Belvedere — FACTORY — B. F. Goodrich Rubber Co., 1392 East 7th St., Los Angeles, plans fireproof factory, near here. $2,000,000.

Calif., Pomona — FACTORY — Scientific Feed Mfg. Co., J. E. Ruether, pres., 3301 East Vernon Ave., Los Angeles, purchased site and plans cattle feed factory, on 120 acre site, here. To exceed $150,000.

Bids Desired

Mass., Brockton—REPAIR and SERVICE GARAGE—See "Contracts Awarded."

Mass., Somerville (br. Boston)—MANUFACTURING—See "Contracts Awarded."

Mass., West Newton (Ind. br. Boston)—ASSEMBLY and FINISHING PLANT—See "Contracts Awarded."

R. I., Pawtucket — COAL and GAS PLANT—See "Contracts Awarded."

N. Y., Brooklyn — FACTORY — Star Suspender & Garter Co., 377 Bway., New York City, taking bids 3 story, 80 x 100 ft. brick and timber addition, 2887-2909 Atlantic Ave., here. $100,000. C. Goodman, 375 Fulton St., archt.

Pa., Indiana—POWER HOUSE—June 2, by Bd. Trustees Indiana State Normal School, constructing power house, incl. boilers, pumps, ash gates, coal storage, underfed stokers, etc.

Pa., Pittsburgh — SUB-STATON — See "Contracts Awarded."

O., Cleveland—FACTORY—Ohio Bronze Powder Co., G. F. Glass, pres., 1120 East 152nd St., taking bids rebuilding 1 story, brick, steel and concrete, 1120 East 152nd St., recently destroyed by fire. $40,000. C. G. French, Plymouth Bldg., engr. and archt.

Ill., Chicago—FACTORY and OFFICE—May 23, by N. M. Dunning, archt., 310 South Wabash St., 3 story, 140 x 140 ft., fireproof, for Chicago Portrait Co., South Mansfield and West Congress Sts.

Wis., Burlington—STATION—See "Contracts Awarded."

Wis., DePere—SERVICE STATION and SHOP—DePere Motor Co., George Ave. and Superior St., taking bids 2 story and basement, 50 x 120 ft., rein.-con., brick and steel, plain foundation. $40,000. N. R. Safford, DePere, archt. Noted May 19.

Minn., St. Paul—FREIGHT HOUSE—See "Unclassified."

Kan., Emporia — PLANING MILL, ROUND HOUSE, OFFICE, etc.—May 31, by Atchison, Topeka & Santa Fe Ry. Co., 80 East Jackson Blvd., Chicago, Ill., H. W. Wagner, ch. engr. (eastern lines), 1 story, 38 x 100 ft. timber, planing mill and car lumber shed, 2 story, 38 x 148 ft., brick apprentice school, lavatory and locker room, 1 story, 36 x 160 ft. brick office, 1 story, 11 x 28 ft. ice house, brick, 36 x 160 ft. platform, and 1 story, 40 stall, brick and rein.-con. roundhouse, here. E. A. Harrison, 80 East Jackson Blvd., Chicago, archt.

Contracts Awarded

Mass., Beverly Farms — REPAIR and SERVICE GARAGE — Trowt & Murray, 715 Hale St., altering and constructing 1 story, rein.-con. and steel, plain foundation, Hale St., to Parker & Walsh, 22 Chapman St. Archts. est. $40,000.

Mass., Brockton—REPAIR and SERVICE GARAGE—City Hall Sq. Garage Co., East Elm St., will build 2 story, 27,000 sq.ft. floor space, brick, steel and stone, plain foundation, East Elm St. $100,000. Work will be done by separate contracts. F. A. Norcross, 46 Cornhill, Boston, archt. Noted Mar. 24.

Mass., Lawrence—FACTORY—Emerson Mfg. Co., Market St., 1 story, 50 x 220 ft., rein.-con., brick and steel, Market St., to W. J. Delaney, 283 Essex St. Archts. est. $45,000. Noted Apr. 28.

Mass., Peabody — FACTORY — Strauss-Limon Leather Co., 34 Walnut St., 3 story, 50 x 140 ft., Walnut St., to E. H. Porter Co., 13 Wallis St. Noted May 12.

Mass., Saugus—CEMENT FACTORY—N. W. Mathey, Willow St., Lynn, 1 story, 55 x 100 ft., rein.-con., concrete foundation, Auburn St., to J. F. Tirrell, 40 Adams Ave.

Mass., Somerville (br. Boston)—MANUFACTURING — Agar Mfg. Corp., C. A. Agar, pres., will build 1 story, 150 x 300 ft., brick, concrete foundation, Clyde and Warwick Sts. $160,000. Work will be done by separate contracts. H. M. Ramsay, 184 Boylston St., Boston, archt.

Mass., Somerville (br. Boston) — BAKERY and GARAGE — Continental Baking Corp., 285 Madison Ave., New York City, 1 story, brick and steel addition, plain foundation, Lowell St., here, to F. Leroy Fox Inc., 15 Exchange St., Boston. Archts. est. $75,000.

Mass., West Newton (Ind. br. Boston)—ASSEMBLY and FINISHING PLANT—G. W. Hoar Co., 18 Bedford St., Waltham, will build 2 story, brick, plain foundation, 241 Rumford Ave., here. $40,000. Work will be done by separate contracts. L. G. Bracket, 88 Tremont St., Boston, archt.

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Mass., Worcester — MANUFACTURING—Thompson Wire Co., 115 Stafford St., G. S. Pease, engr., 4 brick and steel buildings, Stafford St., to J. Marshall, 150 Tyler St., Boston. Archts. est. to exceed $40,000.

R. I., Pawtucket — COAL and GAS PLANT — Pawtucket Gas Co., F. W. Easton, pres., will build coal and gas plant by day labor, under supervision Stone & Webster, engrs., 147 Milk St., Boston, Mass.

N. J., Newark — PIANO FACTORY — Griffith Piano Factory, general contract 15 story, brick and steel, 605-7 Broad St., to Essex Constr. Co., 9 Hacket St.; plumbing, to J. Patterson, 717 South Orange Ave.; and heating, to R. Bloomfield, 84 13th Ave. Archts. est. $1,000,000. Noted Jan. 20.

N. J., Newark—PASTEURIZING PLANT—W. E. Lehman, archt., 972 Broad St., general contract brick and steel, concrete pile foundation, Orange and Nesbitt Sts., to H. D. Best Co., 949 Bway., New York City, for Bordens Farm Products Co., Inc., 110 Hudson St., New York City. Archts. est. $1,000,000. Noted Apr. 21.

Pa., Brownsville—FREIGHT STATION, etc.—Monongahela R.R. Co., general contract 1 story and basement, irregular shaped, brick and steel freight station, here, to H. K. Ferguson Co., 4900 Euclid Ave., Cleveland, O. Archts. est. $50,000. Noted Apr. 14.

Pa., Pittsburgh — SUB-STATION — Duquesne Light Co., 431 6th Ave., will build 1 and 2 story, 40 x 100 ft., brick, concrete and steel, West Liberty Ave. $40,000. Work will be done by separate contracts. Private plans.

Pa., Sprankles Station (Sprankles Mills P. O.) — COMPRESSOR STATION — Phillips Gas & Oil Co., Butler, general contract 1 story, irregular shaped, brick and steel compressor station, to Austin Co., Union Trust Bldg., Pittsburgh. Archts. est. $40,000.

O., Cleveland — FACTORY and WAREHOUSE—Ohio Window Glass Co., J. Unger, mgr., 4045 St. Clair Ave., 2 story and basement, 35 x 75 ft., brick, 4049 St. Clair Ave., to R. Hansen Constr. Co., 2952 Litchfield Rd. Archts. est. $40,000. Noted Feb. 3.

O., Cincinnati—PACKING HOUSE and WAREHOUSE — Grasselli Chemical Co., Guardian Bldg., Cleveland, 1 story, 55 x 95 ft. packing house addition, and 125 x 130 ft. warehouse, both brick and steel, here, to H. K. Ferguson Co., 4900 Euclid Ave. Cleveland. Archts. est. $65,000.

Ill., Chicago — FACTORY — A. S. Alschuler, archt., 28 East Jackson Blvd., general contract 2 story and basement, 90 x 250 ft., 3510-26 South Western Ave., to E. W. Sproul Co., 310 South Michigan Ave., for Parisian Novelty Co., 151 West 22nd St. Archts. est. $150,000. Noted May 5.

Wis., Burlington — STATION — Hansen Oil Co. will build 1 story, 28 x 56 ft., rein.-con., brick and steel, plain foundation, here, by day labor. $40,000. Foeller & Schoeber, Nicolett Bldg., Green Bay, archts. Noted Mar. 21.

Kan., Kansas City — RENDERING PLANT — Cudahy Packing Co., Kansas Ave. and Railroad, Kansas City, Mo., 6 story and basement, 65 x 81 ft., rein.-con. and brick, here, to J. R. Vansant Constr. Co., 417 Dwight Bldg., Kansas City, Mo. Archts. est. $100,000. Noted Apr. 28.

Kan., Kansas City — WAREHOUSE — Proctor & Gamble Mfg. Co., Gwynne Bldg., Cincinnati, O., 2 story and basement, 50 x 172 ft., brick and steel, to Morley Bros., 722 Dwight Bldg., Kansas City, Mo. Archts. est. $60,000.

Mo., Kansas City — BAKERY — Purity Bakeries Corp., 844 Rush St., Chicago, Ill., 1 and 2 story and basement, 112 x 148 ft., brick, 11th St. and Virginia Ave., to Fogel Constr. Co., 619 Reliance Bldg. Archts. est. $80,000. Noted Apr. 21.

Mo., St. Louis — ICE PLANT — Polar Wave Ice & Fuel Co., 3638 Olive St., 1 story, 150 x 152 ft., concrete and brick, Lee and Florissant Sts., to Gillespie & Daly, International Life Bldg. Archts. est. $55,000.

Tex., Austin—POWER HOUSE—University of Texas, fireproof power plant, on campus, to J. T. Taylor Co., 1st Natl. Bldg., Ft. Worth. Archts. est. $218,000. Noted Jan. 13.

Tex., Burnet — GRAPHITE MILL — Southwestern Graphite Mines, rebuilding rein.-con. and steel graphite mill, replacing one recently destroyed by fire, to Southwestern Eng. Corp., Hollingsworth Bldg., Los Angeles, Calif., $300,000 incl. machinery.

Tex., Houston—WAREHOUSE—Burress & Rogers, 120 Washington Ave., 3 story, rein.-con., brick and tile, to J. B. Townsend, 542 West Bldg., approximately $150,000.

Que., Quebec — PAPER MILL — Anglo Canadian Pulp & Paper Co., 2 story, 228 x 232 x 290 ft. paper mill, Limoilou St., to W. Bishop & Co., 10 Cathcart St., Montreal, $2,000,000.

Japan, Kawasaki—LAMP FACTORY—Tokyo Electric Co. (subsidiary of Lamp Works General Electric Co.) (1st unit) 3 story, 180 x 400 ft., concrete and steel, to H. K. Ferguson Co., 4900 Euclid Ave., Cleveland, O.

Buildings—Educational, Religious

Proposed Work

Me., Ellsworth—HIGH SCHOOL—Town, C. O. Turner, having sketches made by F. A. Patterson, 16 Central Ave., Bangor, altering and constructing 2 story and basement, brick and stone addition, plain foundation. $150,000.

N. H., Exeter—HIGH SCHOOL—Town, W. Rowe, chn. com., having sketches made by J. E. Richardson, 56 Grove St., Dover, 2 story and basement, brick, plain foundation. $150,000.

Vt., Rutland—HIGH SCHOOL—City, A. W. Perkins, mayor, City Hall, plans high school, Church St. To exceed $150,000. Engineer and architect not selected.

Mass., Hyde Park (Ind. br. Boston)—HIGH SCHOOL—City, Schoolhouse Dept., Boston, having revised plans prepared by McLaughlin & Burr, 88 Tremont St., Boston, 3 story and basement, irregular shaped, brick and limestone, Greenwood St., Metropolitan and Central Aves., here. $1,200,000. Noted Mar. 3.

Mass., Milford—CHURCH—Sacred Heart Parish, c/o J. W. Donahue, archt., 1242 Main St., Springfield, having plans prepared probably brick and stone church, here. $150,000 or more.

Mass., Newton (br. Boston) — HIGH SCHOOL—City, E. O. Childs, mayor, City Hall, plans Junior High School. To exceed $150,000. Engineer and architect not selected.

Mass., Roslindale (sta. Boston) — SCHOOL—City, Schoolhouse Dept., Boston, having sketches made by Newhall & Blevins Inc., 9 Park St., Boston, 2 story and basement, brick, granite and limestone, plain foundation, Beech St., here. $200,000. Noted Apr. 14.

Mass., Roxbury (br. Boston)—CONVENT—Mission Church, J. P. O'Leary, pastor, having plans prepared by F. J. Untersee, 585 Boylston St., Boston, addition, Smith St. $150,000.

Mass., Somerset — SCHOOL — Town, School, Com. having plans prepared by E. M. Corbett, 70 Bedford St., Fall River, 2 story and basement, brick and stone, plain foundation, Wood St. $150,000.

Mass., Taunton—HIGH SCHOOL—City, Superintendent Schools, City Hall, plans 2 story and basement, probably brick and stone addition. $150,000 or more, Engineer and architect not selected.

Mass., Watertown — SCHOOL — Town, School Com., T. F. Carmody, plans high and primary school, 2 or 3 story, probably brick and stone. To exceed $150,000. Engineer and architect not selected.

Mass., West Roxbury (sta. Boston) — SCHOOL — City of Boston, Schoolhouse Dept., having plans prepared by M. A. Dyer, 1 Beacon St., Boston, 2 story and basement, brick, granite and limestone, plain foundation, Russet Rd., here. $220,000. Noted Apr. 7.

Mass., Worcester — CHURCH — Notre Dame Ascension Parish, T. O'Leary, pastor, having plans prepared by D. R. Baribault, 1550 Main St., Springfield, brick and stone, Salem Sq. $150,000.

R. I., North Providence (br. Providence) — ORPHANAGE — St. Mary's Orphanage, F. B. Atkinson, supt., having preliminary plans prepared by Jackson, Robertson & Adams, Turks Head Bldg., Providence, 2 or 3 story, and basement, brick, plain foundation, Fruit Hill Ave. $150,000.

R. I., Scituate—SCHOOL—Town, D. M. Remington, town clerk, having preliminary sketches made by Monahan & Miekle, 255 Main St., Pawtucket, 2 story and basement, brick school, $150,000.

Conn., Waterbury — SCHOOL — St. Margarets School, J. W. Lewis, pastor, having preliminary plans prepared by R. H. Dana, Jr., 350 Madison Ave., New York City, 3 story and basement, 70 x 180 ft., brick and steel, Bradleyville St. $250,000.

Buildings—Educational, Religious (Cont.)

N. Y., New York — SCHOOL — Lincoln School of Teachers College, 425 West 123rd St., having preliminary plans prepared by Starrett & Van Vleck, 393 7th Ave., rein.-con., brick and steel, plain foundation, adjoining 425 West 123rd St. $500,000.

N. Y., New York — TEMPLE — Temple Peni-El, c/o C. Newmark, 3410 Bway., chn. building com., having preliminary sketches made by W. S. Schneider, 1775 Bway., 1 story, 72 x 102 ft. stone, plain foundation, 132-136 West 79th St. $350,000.

N. J., Clifton (Ind. br. Passaic)—SCHOOL—Bd. Educ. had plans prepared by Lee & Hewitt, 152 Market St., Paterson, 2 story, rein.-con., brick and steel, plain foundation. $150,000.

N. J., Glen Ridge—SCHOOL—Bd. Educ., 235 Ridgewood Ave., having preliminary plans prepared by Guilbert & Betelle, 20 Branford Pl., Newark, 2 story, brick and steel, plain foundation. $200,000.

N. J., Newark — CHURCH — Lutheran Church, c/o F. Koenigsberga, archt., 48 Walnut St., having plans prepared brick and steel, plain foundation. $150,000.

N. J., North Bergen (Ind. br. Weehawken) — SCHOOL — Bd. Educ., Town Hall, plans 3 story, brick and steel, plain foundation, 31st St. $500,000. Engineer and architect not announced.

N. J., Passaic — SYNAGOGUE and SCHOOL—Congregation Adath Israel, 186 Columbia Ave., plans brick and steel, plain foundation, on 50 x 100 ft. site. Monroe and Tulip Sts. $150,000. Engineer and architect not selected.

N. J., Ridgewood—HIGH SCHOOL—Bd. Educ., 1 Franklin Ave., having sketches made by Guilbert & Betelle, 20 Branford Pl., Newark, 2 story, brick and steel addition, plain foundation. $300,000.

N. J., Summit — HIGH SCHOOL — Bd. Educ., 272 Morris Ave., having preliminary plans prepared by Guilbert & Betelle, 20 Branford Pl., Newark, 3 story, brick and steel addition, plain foundation. $250,000.

Pa., Emlenton — SCHOOL — Bd. Educ. having plans prepared by Crosby & Crosby, Oil City, 2 story and basement school. $200,000.

Pa., Johnstown—SCHOOL—Bd. Educ. having plans prepared by R. G. Howard, DuBois, 2 story and basement, irregular shaped school. $150,000.

Pa., New Castle — SENIOR HIGH SCHOOL — Bd. Educ. having revised plans prepared by W. C. Eckles Co., New Castle, and takes bids about June 29, 2 story and basement addition to Senior High School. $250,000. Noted Mar. 31.

Pa., Phila. — MUSEUM — Amer. Philosophical Society, 104 South 5th St., F. X. Dercum, pres., having plans prepared by P. Cret, Otis Bldg., stone museum and society quarters, plain foundation, 16th and Parkway Sts. $1,000,000.

Pa., Wilkinsburg — CHURCH—Calvary Presbyterian Church having plans prepared by E. V. Denick, House Bldg., Pittsburgh, 1 and 2 story and basement, irregular shaped, stone, Hill Ave. $150,000.

Fla., St. Augustine—SCHOOL—St. Johns Co. Bd. Pub. Instruction voted $250,000 bonds, school.

Fla., Tampa—HIGH SCHOOL—Bd. Pub. Instruction, J. A. Anderson, Jr., chn., sold $1,170,000 bonds, new high school, Central and Wider Aves.; and completing 2 high schools (now under construction).

Miss., Natchez — HIGH SCHOOL — Bd. Educ. W. H. Braden, secy., rejected bids Apr. 28, 2 story, 186 x 200 ft., concrete and bridge high school. Will readvertise. $200,000. P. J. Krouse, M. & W. Bldg., Meridian, archt. Noted Apr. 7.

Tennessee—SCHOOLS—Julius Rosenwald Fund, 4901 Ellis Ave., Chicago, Ill., plans expending $422,000 on co-operative construction for negro schools in Tennessee, Texas, Virginia, North and South Carolina, Mississippi, Maryland, Louisiana, Kentucky, Georgia, Florida, Arkansas, Alabama and Oklahoma. S. L. Smith, 1218 17th Ave. S., Nashville, field agt.

O., Cincinnati — SCHOOL — Bd. Educ., Denton Bldg., having plans prepared by G. Drach, Union Trust Bldg., 3 story and basement, 245 x 320 ft., brick and rein.-con., plain foundation, Freeman St. $600,000.

O., Cincinnati—HIGH SCHOOL—H. P. Hess, archt., 1237 North Taylor Ave., St. Louis, Mo., takes bids about June 15, 3 story and basement, brick and rein.-con., incl. auditorium, gymnasium, swimming pool, etc., Bertus St. and Delmar Ave., for Sisters of St. Frances, c/o M. Clarissa, Mother Superior. $300,000.

O., Dayton — CHURCH and PARISH HOUSE — St. Paul Evangelical Lutheran Church, C. F. Mittler, pastor, 2226 South Wayne Ave., plans 2 story, brick, steel and stone, plain foundation, Wayne and Glencoe Sts. $250,000. Engineer and architect not selected.

Mo., Jefferson City — PRISON — State Prison Bd. making preliminary plans rein.-con. and stone inner-prison at penitentiary. $250,000.

Ark., McGehee — HIGH SCHOOL — Bd. Educ. postponed indefinitely construction 2 story, rein.-con., brick and stone high school. $160,000. M. Selligman, 206 Pine St., Pine Bluff, archt. Noted Apr. 21.

Tex., Amarillo—Election May 28, $100,000 bonds, curbing guttering, etc. various streets. B. Jones, city engr.

Okla., Okemah—HIGH SCHOOL—Bd. Educ. had preliminary plans prepared 2 story and basement, rein.-con. and brick, plain foundation, 7th St. $175,000. Engineer and architect not selected.

Calif., Martinez—COLLEGE—St. Marys College, Oakland, having plans prepared by J. J. Donovan, Tapscott Bldg., Oakland, rein.-con., brick and steel, Moraga Valley. $1,500,000.

Calif., Oakland—HIGH SCHOOL—Oakland City School Dist. (East Oakland High School), had preliminary plans prepared fireproof, 87th Ave. and Foothill Blvd. $500,000.

Calif., Palo Alto—ATHLETIC—Stanford University having plans prepared by Bakewell & Brown, 251 Kearny St., San Francisco, brick athletic building, on campus. $150,000.

Calif., San Jose—CONVENT— Dominican Sisters, c/o Beezer Bros., archts., 580 Market St., San Francisco, having plans prepared group rein.-con. buildings, incl. chapel, convent, office, etc., here. $300,000.

Calif., Watsonville—CHURCH—Roman Catholic Archbishop, Fresno, had plans prepared by C. Fantoni, 550 Montgomery St., San Francisco, church, Lake Ave., here. $150,000.

Bids Desired

N. H., Somersworth—HIGH SCHOOL—May 31, by School Bd., 3 story, 70 x 110 ft., brick and steel, Grand St. $150,000. C. H. Loring, 7 Water St., Boston, archt. Noted May 19.

Mass., Revere—HIGH SCHOOL—June 2 (extended date), by I. Richmond, archt., 248 Boylston St., Boston, altering and constructing Junior High School, 2 story and basement, two 40 x 100 wings, brick and stone addition, to James Garfield School, plain foundation, here, for City, School house Dept., Boston. $150,000. Noted May 5.

Mass., Salem — CHURCH — First Universalist Church, c/o Little & Browne, archts., 114 Federal St., Boston, taking bids reconstructing 2 story and basement, brick, stone and marble, plain foundation, here. $150,000.

N. Y., Willsboro — HIGH SCHOOL — June 8, by Pember & Demers archts., 24 James St., Albany, 3 story, brick, concrete, steel and stone high school, here, for Bd. Educ. $150,000.

D. C., Wash.—CHURCH and PARISH HOUSE—St. Pauls Lutheran Church, c/o Froham, Robb & Little, archts., 140 Boylston St., Boston, Mass., taking bids 3 story and basement, brick, plain foundation, Connecticut Ave., here. $400,000. Noted Jan. 6.

D. C., Wash.—SCHOOL—June 3, by District Comrs., District Bldg., addition to Smothers School.

O., Ashtabula — CHILDREN'S HOME — May 27, by Bd. Comrs. Ashtabula Co., 2 story and basement 44 x 91 ft. with two 32 x 91 ft. wings, brick, steel and concrete home. $175,000. Keich-O'Brien & Hosker, Warren, archts. Noted Nov. 18.

O., Cleveland — ADMINISTRATION, SERVICE and COTTAGES—May 27, by City, D. S. Blossom, dir. Pub. Welfare, City Hall, 1 and 2 story, brick, steel and concrete administration, service and cottages for girls training school, Broadview Rd. $200,000. Warner & McCornack, Bulkley Bldg., archt.

Mich., Detroit—SCHOOL—May 31, by C. A. Gadd, bus. mgr. Bd. Educ., 1354 Bway. Ave., 2 story and basement, rein.-con., brick and steel, plain foundation, Chalfonte Ave. $250,736. McGrath, Dohman & Page, 2231 Park Ave., archts.

Wis., Madison—CHURCH—St. Andrews Church, c/o J. F. Bloodgood, pastor, 113 Spooner St., taking bids 4 story, 60 x 150 ft., rein.-con., brick and steel, plain foundation. Stockton St. A. Peabody, State Capitol, archt. Noted May 20, 1926.

Minn., Minneapolis — LAW SCHOOL — June 1, by Comm. Administration & Finance, State Capitol, St. Paul, 3 story and basement, rein.-con. and brick at State University, here. $250,000.

Tex., College Station — DORMITORY — May 31, by H. N. June, archt., two 3 or 4 story, part basement, 75 x 120 ft., rein.-con. and brick, plain foundations, for A. and M. College. $300,000.

Ont., Timmins—SCHOOL—May 27, by H. C. Garner, secy. High School Bd., 2 story and basement, 98 x 154 ft., rein.-con., brick and steel technical and vocational school, incl. machine shop, wood working room, mining and commercial rooms, plain foundation. $175,000. S. B. Coon & Son, 4 St. Thomas St., Toronto, archt.

Contracts Awarded

Me., Portland—SCHOOL—Sacred Heart Roman Catholic Parish, J. Gary, pastor, 2 story and basement, brick and stone, plain foundation, Sherman and Mellen Sts., to J. H. Simonds, 216 Federal St. Archts. est. $150,000.

N. H., Berlin—SCHOOL—Bd. Educ., 2 and 3 story, basement and wing, brick, plain foundation, to J. B. Gilbert, Berlin. Archts est. $150,000 Noted Apr. 28.

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Buildings—Educational, Religious (Cont.)

Mass., Fall River—CHURCH—Immaculate Conception Church, G. H. Flannagan, pastor, 1 story and basement, brick, stone and granite, plain foundation, to Q. McMullen, 332 Brownell St. Archts. est. $150,000. Noted Apr. 14.

Mass., Hopkinton—SCHOOL—Town, Bd. Selectmen, 2 story and basement, brick and terra cotta, plain foundation, Ash St., to T. A. Cassidy, 54 Boylston St., Fitchburg. Archts. est. $150,000. Noted Apr. 28.

Mass., Medford (br. Boston)—SCHOOL—St. Clements Roman Catholic Church, T. F. McCarthy, pastor, 64 Warner St., 2 story and basement, brick and stone, plain foundation, Warner St., to F. S. Brennan, 11 Beacon St., Boston. Archts. est. $150,000. Noted May 12.

Mass., Somerville (Boston P. O.)—CHURCH—St. Polycarps Roman Catholic Church, F. J. Butler, pastor, 399 Medford St., 1 story and basement, 60 x 145 ft., brick and stone, plain foundation, Temple St. and Mystic Ave., to A. Piotti Co., 708 Dudley St., Dorchester. Archts. est. $150,000. Noted Apr. 14.

Conn., New Britain—SCHOOL—City, J. M. Halloran, chn. building com., 2 story and basement, 115 x 158 ft., brick and steel, to M. A. Connor Co., 15 Standish St., Hartford. Archts. est. $200,000. Noted Apr. 21.

N. Y., Jamestown—SCHOOL—Bd. Educ., High School Bldg., general contract 2 story, 136 x 172 ft. brick and concrete, to C. C. Haas, Monroe and 10th Sts.; plumbing, to B. W. Varley, 329 South Main St.; and heating, to Chatfield & Sharp, 304 Pine St. Total $227,434. Noted Apr. 14.

N. J., Ridgewood—SCHOOL—Bd. Educ., 1 Franklin Ave., general contract school, Morningside Ave., to Bowman Constr. Co., Inc., 358 Post Ave., Lyndhurst, $137,400. Noted May 5.

N. J., Union—CHURCH—St. Mathews Evangelical Lutheran Church, 406 22nd St., 1 story and basement, 40 x 122 ft., brick and steel, plain foundation, New York Ave. and 22nd St., to C. Neilson, Bway., West New York. Archts. est. $150,000.

Md., Baltimore — ART MUSEUM — Bd. Awards, 2 story and basement, 100 x 192 ft., stone and steel, Charles St. and Gwynn Falls Parkway, to P. C. Streett Eng. Co., 404 St. Paul St., $763,000. Noted Apr. 21.

O., Cleveland—CHURCH and SUNDAY SCHOOL—St. Johns Evangelical Church, E. M. Kroft, pastor, 3236 East 55th St., masonry contract 2 story basement, 85 x 99 ft., brick and steel, East 55th St. and Magnet Ave., to N. Fetzer, 2230 Denison Ave. Archts. est. approximately $150,000.

O., Columbus — HIGH SCHOOL — Bd. Educ., general contract Junior High School, 3 story and basement, 180 x 320 ft., brick, stone and rein.-con., Powell and Olive Aves., to J. Nadalin & Co., 38 South 6th St., $620,000; plumbing and vacuum cleaner system, to S. A. Esswein Plumbing & Heating Co., 546 West Broad St., $34,488. Noted Apr. 21.

Ill., Springfield—CATHEDRAL—J. W. McCarthy, archt., 139 North Clark St., Chicago, general contract 1 story and tower, 87 x 180 ft., rein.-con., steel and stone, 6th St., here, to Mathew Rauen & Co., 326 Madison St., Chicago, for Catholic Bishop of Springfield. Archts. est. $1,000,000. Noted Apr. 28.

Kan., Dodge City—SCHOOL—Bd. Educ., 2 story and basement, 140 x 193 ft., rein.-con., brick and terra cotta school, to Sharp Bros. Constr. Co., 605 Orear-Leslie Bldg., Kansas City, Mo., $102,729. Archts. est. $175,000. Noted Apr. 21.

Mo., St. Louis — COLLEGE of PHARMACY—W. B. Ittner, archt., 911 Locust St., 5 story and basement, 75 x 100 ft., rein.-con., brick and stone, Euclid Ave. and Parkview Pl., to William H. Smith Constr. Co., 110 North 7th St., for College of Pharmacy, 2108 Locust Blvd. Archts. est. $200,000. Noted Apr. 28.

Calif., Los Angeles — CHURCH and AUDITORIUM — Immaculate Conception Catholic Church, 1 story, 66 x 175 ft., steel and rein.-con. auditorium, 1,000 seating capacity, and chapel, 100 seating capacity, 9th and Valencia Sts., to P. J. McDonald Co., 1800 Industrial St., $200,000.

Calif., Los Angeles—COLLEGE—University of Southern California, 4 story and basement, 120 x 126 ft., students union building, rein.-con. and steel, on campus, to Scofield Eng. Constr. Co., Pacific Finance Bldg., $300,000. Noted Apr. 28.

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Federal Government Work

Proposed Work

Missouri—Revetment Work and Retards—U. S. Engineer Office, 707 Postal Bldg., Kansas City, soon takes bids 3,500 ft. revetment work at Bakers Bend in Missouri River, $60,000; 5,250 ft. revetment and 500 ft. dyke at Cranberry Bend, $70,000; 5,250 ft. revetment and 1,625 ft. current retards at Hills Bend, $105,000 and $86,125 respectively; 3,400 ft. revetment at Dewitt Bend, $55,000; and 3,400 ft. retards at Fish Creek Bend, $142,000. C. C. Gee, 707 Postal Telegraph Bldg., Kansas City, Mo., div. engr.

Bids Desired

Maine—Dredging, etc.—June 29, by U. S. Engineers Office, Custom House, Boston, Mass., dredging breakwater extensions and repairing jetty, in Saco River, here; adv. E. N.-R. May 26.

N. Y., Fort Slocum (Ind. br. New Rochelle)—Sea Wall—June 11, by Constructing Quartermaster, repairing sea wall.

N. Y., New York—Garage—June 21, by Treas. Dept., at office Supervising Archt., Wash., D. C., constructing garage for U. S. Quarantine Station, here.

N. Y., Northport—Oil Line, etc.—June 21, by U. S. Veteran's Bureau, Arlington Bldg., Wash., D. C., fuel oil line and constructing store house at U. S. Veteran's Hospital, here.

N. Y., Olcott—Pier—June 16, by U. S. Engineer Office, Buffalo, constructing concrete superstructure on piers at Olcott Harbor, here.

N. Y., Staten Island—Patrol Boat—June 7, by Supt. Lighthouses, 50 ft. patrol boat, complete with 6-cylinder, 4-cycle gasoline engine.

N. J., Bayonne—Post Office—June 22, by Treas. Dept., at office Supervising Archt., Wash., D. C., constructing U. S. Post Office, here; adv. E. N.-R. May 26. Noted Apr. 14.

Pa., Phila.—Mezzanine Floor—June 17, by Treas. Dept., at office Supervising Archt., Wash., D. C., mezzanine floor at U. S. Post Office, here.

Pa., Phila.—Dredging—June 17, by U. S. Engineer Office, dredging in Delaware River, on Tinicum Range.

Pa., Pittsburgh—Lockkeepers Houses—June 24, by U. S. Engineer Office, building two 2 story lockkeepers houses at Lock 5, Allegheny River, here; adv. E. N.-R. May 26.

Pa., Washington—Heating Boiler—June 16, by Treas. Dept., at office Supervising Archt., Wash., D. C., installing 1 new heating boiler, connections, etc. at U. S. Post Office, here; adv. E. N.-R. May 26.

Delaware and Maryland — Dredging — June 23, by U. S. Engineer Office, Wilmington, Del., dredging old entrance to Inland Waterway from Delaware River to Chesapeake Bay (Chesapeake and Delaware Canal), here; adv. E. N.-R. May 26.

D. C., Anacostia (sta. Wash.)—Hangar Doors—Spec. 5361—June 22, by Bureau Yards & Docks, Navy Dept., Wash., D. C., hand operated steel doors and new end walls for hangars at Naval Air Station, here. Former bids rejected. Noted Dec. 16.

Va., Norfolk — Road — Spec. 5400—June 22, by Bureau Yards & Docks, Navy Dept., Wash., D. C., concrete road at Naval Hospital, here.

S. C., Parris Island—Turbo-Alternator—Spec. 5355—June 15, by Bureau Yards & Docks, Navy Dept., Wash., D. C., 625 kva. turbo-alternator, incl. air filter, ducts, pipe, switchboard panel and wiring, etc. at Marine Barracks, here.

S. C., Parris Island—Reservoir, etc.—Specs. 5402 and 5410—June 22, by Bureau Yards & Docks, Navy Dept., Wash., D. C., 500,000 gal. rein.-con. reservoir, also ash conveyor system incl. ash tank, conveyor system, steam water and drain piping, both at Marine Barracks, here.

Fla., Miami Beach (br. Miami)—Jetty—June 6, by U. S. Engineer Office, Jacksonville, repairing portions North Jetty, and revetment, here.

Michigan—Dredging—June 11, by U. S. Engineer Office, Detroit, dredging in Saginaw Bay Channel; adv. E. N.-R. May 26.

Wis., Waukesha — Water Softening System — June 14, by U. S. Veteran's Bureau, Arlington Bldg., Wash., D. C., installing zeolite water softening system in boiler room, at U. S. Veteran's Hospital 37, here.

Colorado—Road—June 1, by J. W. Johnson, dist. engr. Bureau Pub. Roads, Custom House, Denver, grading 3.46 mi. South St. Vrain 3, Natl. Forest Road Project, Boulder Co.

Colorado—Road—June 2, by J. W. Johnson, Custom House, Denver, grading and bridging 7.3 mi. Brush Creek Section, Eagle-Thomasville Natl. Forest Development Road Project Eagle Co.

Oregon—California—Gates, etc.—June 10, by Bureau Reclamation, Denver, Colo., 5 gate hoists for Klamath Project, here.

California—Road—June 1, by C. H. Sweetser, dist. engr. U. S. Bureau Pub. Rds., Sheldon Bldg., San Francisco, grading and concrete paving 7.58 mi. Spring Garden-Cromberg Sect. Blairsden-Quincy Natl. Forest Rd., Plumas Co.

Cuba, Guantanamo — Barracks — Spec. 5383—June 22, by Bureau Yards & Docks, Navy Dept., Wash., D. C., 1 story, frame barracks building at Naval Station (Radio Point), Guantanamo Bay, here; adv. E. N.-R. May 26.

Contracts Awarded

Pa., Pittsburgh—Boats—U. S. Engineer Office, 3 steel maneuver boats, to Dravo Contg. Co., Neville Island, Pittsburgh, $66,150. Noted Mar. 31.

Md., Annapolis—Roof—Spec. 5349—Bureau Yards & Docks, Navy Dept., Wash., D. C., reconstructing roof, here, to Davis Constr. Co., 9 West Chase St., Baltimore, $25,470. Noted May 12.

N. C., Oteen—Electric System and Elevators—U. S. Veterans' Bureau, Arlington Bldg., Wash., D. C., electrical system, at proposed U. S. Veterans' Hospital, here, to Warner Serv. Co., 102 West Clinch St., Knoxville, Tenn., $16,500; and elevators in receiving building, here, to Otis Elevator Co., 810 18th St., Wash., D. C., $14,067. Noted May 5.

Ala., Florence—Steel Caisson—U. S. Engineer Office, May 4, fabricating and delivering 1 structural steel caisson, at Wilson Dam, here, to Virginia Bridge & Iron Co., 3900 8th Ave. N., Birmingham, $7,100. Noted Apr. 21.

O., La Carne—Barracks—Constructing Quartermaster, Erie Ordnance Dept., constructing detachment barracks at Erie Proving Ground, here, to Suburban Contg. Co., Moorestown, N. J. Noted Apr. 7.

Wis., Milwaukee — Breakwater — U. S. Engineer Office, May 3, constructing 2,725 lin.ft. concrete caisson breakwater at Milwaukee Harbor, here, to E. E. Gillen, 298 Becker St., $467,835. Noted Apr. 7.

Mo., Jefferson City—Retards—U. S. Engineer Office, 707 Postal Telegraph Bldg., Kansas City, 600 ft. retards in Missouri River near here, to Woods Bros. Constr. Co., 132 South 13th St., Lincoln, Neb., $31,800. Noted May 5.

Mo., Lexington—Revetment—U. S. Engineer Office, 707 Postal Bldg., retards in Missouri River, near here, to Woods Bros. Constr. Co., 132 South 13th St., Lincoln, Neb., $50,160. Noted Mar. 31.

California—Road—C. H. Sweetser, dist. engr. Bureau Pub. Rds., Sheldon Bldg., San Francisco, grading and crushed rock surfacing 4.43 mi. southwest entrance Lassen Volanic Natl. Park, Tehama and Shasta Counties, to Young Bros., Berkeley, $84,134. Noted May 5.

Calif., Eureka—Stone—U. S. Engineer Office, Custom House, Apr. 25, 65,000 tons stone for repairing north jetty at Humboldt Bay, here, to A. D. Kern, 290 East Salmon St., Portland, Ore., at $3.90 per ton heavy; and $3.50 per ton 2nd hand. Noted Apr. 14.

T. H., Fort Shafter—Wards—Constructing Quartermaster, 3 hospital ward buildings, extending 2 wards, etc., at Schofield Barracks, here, to Natl. Constr. Co. Ltd., Honolulu, $220,000. Noted Apr. 7.

Unclassified

Proposed Work

Swimming Pool—Waltham (br. Boston), **Mass.**—City, H. F. Beal, mayor, City Hall, plans concrete swimming pool. Private plans.

Fruit Terminal—Providence, R. I.—New York, New Haven & Hartford R.R., E. Gagel, ch. engr., New Haven, Conn., plans 2 story and basement, 100,000 sq.ft. floor space, rein.-con., brick and steel, at Yard 17, Harris Ave., here. $625,000. Private plans. Providence Fruit & Produce Assn., Providence, lessee.

Baseball Stadium — Hartford, Conn. — Hartford Baseball Club, 284 Asylum St., J. H. Clarkin, plans rebuilding temporary stands, recently destroyed by fire, and later steel and concrete stadium.

Unclassified (Continued)

Carbarn—New Haven, Conn.—Connecticut Co., 129 Church St., having plans prepared by R. W. Foote, 185 Church St., large carbarn, Ferry St. To exceed $40,000.

Bulkheads, etc.—Elizabeth, N. J.—Elizabeth Sash, Door & Supply Co., 663 Livingston Ave., having preliminary plans made bulkheads docks, etc. on 300 x 320 ft. site, South Front St. $500,000. Private plans.

Underpass—Laurel, Miss.—City making preliminary plans rein.-con. underpass between Front and Cross Sts. under Southern & Gulf and Mobile & Northern R.R. tracks. $45,000.

Overhead Crossing—Whitley City, Ky.—State Hy. Dept., Frankfort, plans 5 rein.-con. deck girder span overhead crossing over tracks Southern Ry., on Whitley City-Tennessee State Llne Rd., State Aid Project 22, McCreary Co., near here. E. N. Todd, highway engr.

Swimming Pool — Cleveland, O. — City plans concrete swimming pool $100,000. S. Newman, City Hall, engr.

Grade Crossing Elimination—Cleveland, O.—City and New York Central R.R. Co. R. O. Rote, ch. engr. (lines west of Buffalo), Cleveland, making plans 4 grade crossing eliminations, excavating, structural steel, concrete work, paving, changing sewer and water lines and seven 13 x 120 ft., single track bridges, West 117th St. and New York Central R.R. tracks. $1,000,000. J. M. Heffelfinger, City Hall, city bridge engr.

Gas Pipe Line—Texas—Lashby & Crawford, c/o Chamber of Commerce, San Benito, making preliminary surveys, etc. 25 mi. probably 10 in. natural gas pipe line from San Benito to Mercedes. $200,000. Private plans.

Pumping Plant—Sheffield, Tex.—California Co., c/o Chamber of Commerce, Colorado, making plans pumping plant to divert 250 ft. acre water per year from Pecos River for oil development. $35,000. Private plans.

Grain Elevator — Oklahoma — Ben Feuquay Grain Co., Billings, making plans approximately 8 bin grain elevator, rein.-con., between Billings and Tonkawa. $75,-000. Private plans.

Gas Pipe Line—Oklahoma—Lone Star Gas Co., Frederick, plans 14 mi. 4 in. natural gas pipe line from Frederick to Tipton. $40,000. Private plans.

Oil Pipe Line—Oklahoma—Cosden Pipe Line Co., Cosden Bldg., Tulsa, made plans 60,000 lin.ft. 6 in. oil pipe line from Pearson to Seminole. $75,000. Private plans.

Hydro-Electric Development — Seattle, Wash. — City plans hydro-electric development at Diablo Canyon and Ruby Creek on Skagit River, incl. dams and power plants at Ruby ripraps and Diablo Canyon, also transmission lines connecting plants with Gorge project. Noted Nov. 11.

Lighting System—Corona, Calif.—Plans lighting system on Grand Blvd. $50,000. Currie Eng. Co., Stoneman Bldg., Alhambra, engr.

Lighting System—Los Angeles, Calif.—Takes bids about July 12, ornamental lighting system on Cedarturret Dr., Mountain View Ave. and Bella Vista Way. $40,000. J. C. Shaw, City Hall, engr.

Cargo Docks—Richmond, Calif.—Fruit Dispatch Co., Bank of Italy Bldg., San Francisco, plans cargo docks on harbor frontage, here. To exceed $150,000.

Bids Desired

Gas Holder and Plant Extension — Winchester, Mass. — Arlington Gas Light Co., 689 Massachusetts Ave., taking bids gas holder and plant extension, steel, plain foundation. $25,000 or more. Gas & Electric Impvt. Co., 77 Franklin St., Boston, archts. Noted May 12.

Fire Alarm System—Brooklyn, N. Y.—June 3, by J. J. Dorman, fire comr., Municipal Bldg., New York City, portion underground fire alarm system, in Greenpoint improvement, here.

Pier—Buffalo, N. Y.—See "Buildings—Commercial."

Post Light System—Johnstown, N. Y.—June 6, by A. Wands, city clk., post light system and traffic control signals.

Asphalt Mixing Plant—Long Island City, N. Y.—May 27, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., asphalt mixing plant with full equipment to Bureau of Highways.

Storage Station—Long Island City, N. Y.—May 27, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., constructing storage station, for highway equipment, etc. on Ireland Mill Rd., near Cameron St.

Refrigeration Equipment—Thiells, N. Y.—June 8, by Comn. Mental Hygiene, Dept. Mental Hygiene, Albany, refrigeration equipment (kitchen and dining room building), service building, administration group, at Letchworth Village, here; adv. E. N.-R. May 26.

Barge Terminal, etc.—St. Paul, Minn.—May 31, by A. E. Eggert, city purch. agt., barge terminal, incl. barge dock, freight house, loading and unloading equipment, railway tracks, etc., at Pigs Eye, $400,000. G. M. Shepard, city engr. Noted Dec. 9.

Transmission Line—Texas—See "Contracts Awarded."

Electric Pole Line, Power Station and Cooling Chamber, etc.—Lanigan, Sask.—June 1, by G. L. Craddock, town clk., internal combustion engines, Tender A; generators, exciters, switchboard, street lighting apparatus, transformers, meters, etc., Tender B; oil storage tank, Tender C; pole, wire and line material, Tender D; electric pol line, Tender E; also power station and cooling chamber, Tender F. A. A. Murphy, Saskatoon, consult. engr.

Pier and Sheet Piling—Port Maitland, Ont.—June 2, by S. E. O'Brien, secy. Dept. Pub. Wks., Ottawa, repairing pier and sheet piling, here. $27,000.

Gas Mains—Victoria, B. C.—See "Contracts Awarded."

Contracts Awarded

Foundation—Salem, Mass. — P. & D. Theatre, Inc., 1430 Massachusetts Ave., Cambridge, plain and concrete pile foundation for theatre and office building, Dodge and Washington Sts., here, to K. Swanson, 7 Willow Ave., Lynn. Archts. est. $25,000 or more. Noted Apr. 28 under "Buildings—Commercial."

Special Work — Brooklyn, N. Y. — Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., special work (Order 40) for use in constructing portion Coney Island Yard, to Pamapo Ajax Corp., 30 Church St., New York City, $29,878. Noted May 19.

Booths—New York, N. Y.—New York State Bridge & Tunnel Comn., and New Jersey Interstate Bridge & Tunnel Comn., Woolworth Bldg., constructing copper kalamein toll collection booths, etc., to Carleton Co., Inc., 51 West 42nd St., $39,-734. Noted Apr. 21.

Borings—New York, N. Y.—A. Goldman, comr. Dept. Plant & Structures, Municipal Bldg., core borings on site proposed Ludlow Ave. Bridge over Bronx River, Bronx Boro, here, to W. G. Clark, 30 Church St., $1,908. Noted May 5.

Entrances — New York, N. Y. — New York State Bridge & Tunnel Comn., and New Jersey Interstate Bridge & Tunnel Comn., Woolworth Bldg., reconstructing entrances, etc., at Broome St., Contr. A, Holland Tunnel, to Edwards & Flood, Inc., 186 Joralemon St., Brooklyn, $5,847. Noted Apr. 21.

Towing Boats—Syracuse, N. Y.—T. F. Farrell comr. Canals & Waterways, Albany, constructing and delivering 4 steel towing boats, to Amer. Boiler Wks., Erie, Pa., $34,000. Noted May 12.

Gas Mains—Detroit, Mich.—Detroit City Gas Co., Clifford St., approximately 16,156 ft. 12- to 24-in. c.i. gas mains in Six Mile Rd., Cliff, Nevada and Packard Aves., to J. A. McDace Co., 2016 Webb Ave., $45,-938. Noted Apr. 21.

Culverts—Iowa—See "Bridges."

Culverts, etc. — Burlington, Ia. — See "Bridges."

Culverts, etc.—Clinton, Ia.—Clinton Co., 21 box culverts, to Pioneer Constr. Co., Newell, $14,500; 15 culverts, 1 pony truss and one high truss bridge, to L. Schnede, Wheatland, $23,396.

Gas Pipe Line—Texas and Kansas—Cities Serv. Co., 60 Wall St., New York City, 250 mi. 20 in. welded and steel natural gas pipe line from Wheeler and Gray Counties in Panhandle, Tex., to Wichita, Kan. 3 compressor stations, 9,000 hp., to Booth & Flinn Ltd., 1942, Forbes St., Pittsburgh, Pa.

Gas Distributing System—Amarillo, Tex.—See "Waterworks."

Transmission Line—Texas—Gulf Pub. Serv. Co., Jacksonville, will build 25 mi. power transmission line from Jacksonville to Troup, by day labor. $40,000. Private plans.

Transmission Line—Texas—Texas Electric Serv. Co., will build 100 mi. transmission line from Wichita Falls to Breckenridge. $275,000. Private plans.

Shed — Houston, Tex. — Houston Port Comn., constructing 2nd story concrete shed on Wharf 12, to J. B. Townsend, Post Dispatch Bldg., $52,120. Engrs. est. $60,000.

Swimming Pool and Golf Course — Laguna Beach, Calif.—See "Buildings—Commercial."

Foundation and Excavation — Ottawa, Ont.—Canadian Natl. Rys., 230 St. James St., Montreal, Que., C. S. Gzowski, ch. engr. (constr.), foundation and excavation work for Chateau Laurier Hotel addition, Rideau St, here, to Foundation Co. of Canada, Ltd., 746 Sherbrooke St. W., Montreal, Que. Noted Feb. 24 under "Buildings—Commercial."

Coach Yard Platforms, etc. — Toronto, Ont.—T. T. Irving, ch. engr. Canadian Natl. Ry., New Union Sta., concrete coach yard platforms, etc., and shelving in Commissary Building, to Roger Miller & Sons Ltd., foot of Spadina Ave. Engrs. est. $25,000. Noted Apr. 28.

Subway — Toronto, Ont. — J. R. W. Ambrose, engr Toronto Terminals Ry. Co., 402 New Union Sta., general contract 3 rein.-con. and steel subways, one at Parliament St., one at Sherbourne St. and other Jarvis St., in connection with Toronto Viaduct Scheme, to Wells & Gray Ltd., Confederation Life Bldg.; structural steel, to McGregor & McIntyre, 1139 Shaw St. Engrs. est. $350,000. Noted Mar. 17.

Subway — Vancouver, B. C. — British Columbia Electric Ry. Co., 425 Carrall St., 7,000 ft. 6 x 4½ ft. concrete underground subway for cables, to N. Cosco, 1174 Bway. W., $40,000.

Gas Mains—Victoria, B. C.—Victoria Gas Co. (subsidary of British Columbia Electric Ry. Co., 425 Carrall St., Vancouver), will lay gas mains in Foal Bay Dist., here, by day labor. $50,000. J. Keillor, 425 Canal St., Vancouver, engr.

Materials

Proposed Work

Road Oil — Biggsville, Ill. — Biggsville Twp. Henderson Co. plans purchasing 10 cars road oil. $6,500. W. M. Campbell, Biggsville, highway comr.

Trolley Wire—San Francisco, Calif.—L. S. Leavy, city purch. agt., plans purchasing 5 mi. 3/0 round, hard drawn copper trolley wire for Municipal Railway system.

Bids Desired

Corporation Cocks and Hydrant Repair Parts—New York, N. Y.—June 1, by P. J. Dooling, comr. Dept. Purchase, Municipal Bldg., corporation cocks and hydrant repair parts to Dept. Water Supply, Gas & Electricity.

Steel Shapes and Paints—Phila., Pa.—June 2, by C. E. Walsh, purch. agt. Pennsylvania R.R. Co., 15 North 32nd St., steel shapes, Contr. 57-1927; and various grades paints, Contr. 58-1927.

Road Oil—Princeton, Ill.—May 30, by City Council, 40,000 gal. road oil for streets. C. A. Johnson, comr.

Wires and Cables, etc.—Milwaukee, Wis.—June 1, by Central Bd. Purchases, J. W. Nicholson, ch. buyer, 167,000 ft. steel taped and lead covered wires and cables, also truck mounted crane.

Bids Received

Stone Ballast and Pine Lumber—Boston, Mass.—Transit Dept., 1 Beacon St., May 17, 13,000 tons stone ballast, from Old Colony Crushed Stone Co., Vernon St., Quincy, at $2.125 per ton; and 113,000 ft. long leaf yellow pine lumber, from G. McQueston Co., 27 Kilby St., $103 per m. Noted Mar. 12.

Wood Blocks, Pine Lumber — Boston, Mass.—Supply Dept., May 17, 45,000 wood blocks, from Jennison-Wright Co., 6 Beacon St. at $62.81 per M.; and hard pine lumber in quantities as desired from N. E. Wood Preserving Co., 80 Federal St., $88.75 per M. Noted May 12.

Contracts Awarded

Gravel—Boston, Mass.—Dept. Pub. Wks., beach gravel as required until Dec. 31, to W. R. Farrell, 57 Long Wharf, at $1.37 per ton. Noted May 12.

Pig Lead, etc.—Providence, R. I.—Bd. Contr. & Supplies, 25,000 lb. pig lead, to Phillips Lead & Supply Co., 91 South Main St., at $7.05 per 100 lb., and 30,000 lb. lead pipe, 91 South Main St., L. N. Tillinghast Supply Co., 162 Drnce St., $0.081 per lb. Noted May 12.

Cement—Tennessee—State Dept. Highways & Pub. Wks., Nashville, 22,300 bbl. cement for paving State Aid Project 313-A and B, Loudon Co., to Hermitage Portland Cement Co., 174 3rd Ave. N., Nashville, at $2.39 per bbl., engrs. est. approximately $53,000; and 33,200 bbl. for State Aid Project 324-C, Hamblen Co., to Signal Mountain Portland Cement Co., James Bldg., Chattanooga, at $2.36 per bbl., engrs. est. approximately $78,000.

Conduit, Cable, etc.—Vancouver, B. C.—City Council, conduit, to Cope & Sons, 150 Hastings St. W., $5,856; cable, to E. Philips Electrical Wks. Ltd., 798 Beatty St., $6,559; and c.i. light standards, to Reliance Fdry. Co., 149-4th Ave. W., $12,015. Grand total $24,430.

See proposal advertising on page 185

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UNIT PRICES

On actual contracts gathered by field correspondents, also those sent in by readers

Pipe Line—Southborough, Mass.

Bids were opened by Metropolitan District Water Supply Commission, Boston, Apr. 15, (lowest four and highest) for Contract 5, constructing 30 in. pipe line from Cordaville to Sudbury Reservoir No. 5, from (A) Lock Joint Pipe Co., P. O. Box 21, Ampere, N. J., (awarded contract); (B) Cenedella & Co., 68 School St., Milford; (C) J. H. McCusker & Sons, 62 Church St., Waltham; (D) Winston & Co., 240 Fair St., Kingston; (E) V. J. Grande, 100 Academy Hill Rd., Boston. The unit bids are as follows:

	A	B	C	D	E
8,700 lin.ft. furnishing, 30-in.* pipe, and special castings	.....	$6.70	$8.27	$9.30	$10.00
220 lin.ft. furnishing 18-in. C. I. pipe and special castings	$4.30	4.35	4.10	4.50	6.50
240 lin.ft. furnishing 12-in. C. I. pipe, and special castings	2.40	2.50	2.29	3.00	4.00
50 lin.ft. furnishing 24-in. C. I. or steel pipe and special castings	10.50	8.00	10.25	12.00	12.50
8,700 lin.ft. laying 30-in. pipe and special castings	.45	1.60	.96	1.80	2.50
220 lin.ft. laying 18-in. C. I. pipe and special castings	.70	1.00	6.15	1.60	2.50
220 lin.ft. laying 12-in. C. I. pipe and special castings	.60	.80	6.00	1.60	2.00
Laying 24-in. C. I. pipe or steel pipe and castings, in Cordaville Mill (lump sum)	1,200.00	350.00	700.00	1,000.00	5.00
9,000 cu.yd. earth excavation, fill and refill	1.25	1.20	2.00	2.90	2.50
Furnishing and placing valves, drains, well, gate boxes, etc. (lump sum)	700.00	750.00	765.00	2,500.00	600.00
Concrete outlet well	750.00	900.00	800.00	1,000.00	600.00
250 cu.yd. rock excavation and refill	5.00	6.00	7.00	6.00	10.00
8,700 lin.ft. furnishing 30-in. reinforced concrete, "cylinder," pipe (alternate for Item 1)	6.60	.....	.....	.....	.....
Totals	$78,818 Cyl.	$88,863 R.C.	$106,953 C.I.	$108,194 C.I.	$138,960 C.I.

* Note—C. I. = Cast iron pipe. R. C. = Reinforced concrete pipe. Cyl. = Reinforced concrete cylinder pipe.

Tunnel—Detroit, Mich.

Bids were opened by Board of Water Commissioners, Feb. 23, (lowest four and highest) for constructing Springwells Tunnel, Sect. No. 3, from (A) J. A. Mercier Co., 616 Hammond Bldg., (awarded contract); (B) G. R. Cooke Co., Detroit; (C) Mark R. Hanna, Detroit; (D) Nash Bros., Chicago; (E) Wenzel & Henoch, Wilwaukee. The unit bids are as follows:

	A	B	C	D	E
1,467 cu.yd. shaft excavation	$18.00	$15.00	$20.00	$15.00	$15.00
2 air plants	15,000.00	22,790.00	25,000.00	12,500.00	20,800.00
74,753 cu.yd. tunnel excavation	6.90	5.50	6.91	7.00	12.00
29,963 cu.yd. tunnel concrete	16.00	20.50	16.77	18.22	24.50
29,963 cu.yd. tunnel brick	.....	.....	.....	.....	34.50
2,860 cu.yd. grout	5.00	2.00	7.00	6.00	6.00
120 cu.yd. shaft concrete	20.00	25.00	30.00	20.00	25.00
1,347 cu.yd. shaft backfill	2.00	3.00	2.00	3.00	2.00
136 M.B.M. timber	40.00	10.00	50.00	40.00	60.00
40,000 lb. reinforcing steel	.06	.08	.06	.06	.08
30 cu.yd. miscellaneous excavation	10.00	6.00	12.00	8.00	8.00
15 cu.yd. miscellaneous concrete	20.00	25.00	30.00	20.00	35.00
537 ft. align. holes	7.50	6.00	10.00	5.00	7.00
Engineer's office (lump sum)	500.00	2,000.00	6,000.00	2,500.00	5,000.00
Engineer's office (lump sum)	3,500.00	4,200.00	6,000.00	6,000.00	8,000.00
Cleaning up (lump sum)	5,000.00	10,720.00	2,000.00	7,500.00	8,000.00
Totals (concrete)	$1,092,471	$1,130,986	$1,154,057	$1,166,868	$1,752,873
Totals (brick)	.....	.....	.....	.....	2,052,503

Filtration Plant—Allentown, Penn.

Bids were opened by Bureau of Water, Apr. 5, for constructing 10 million gallon filtration plant, from (A) Engineer's Estimate; (B) Hoch Constructing Co., Allentown, (awarded contract); (C) Coleman Bros., Boston; (D) Pitt Construction Co., Pittsburgh; (E) Potruch Construction Co., Allentown; (E) Mazzola & Morano, Inc., Philadelphia; (F) F. H. Clement, Bethlehem. The unit bids are as follows:

	A	B	C	D	E	F	G
12,750 cu.yd. excavation and disposal	$1.20	$1.30	$2.00	$2.50	$1.95	$3.00	$3.50
500 lin.ft. timber piles	1.00	1.00	1.20	2.50	1.00	2.50	1.50
38 ton steel sheet piling	100.00	75.00	75.00	70.00	76.00	150.00	130.00
1,850 cu.yd. concrete (foundation and ground floors)	15.00	12.50	13.00	18.00	18.40	12.50	14.00
1,980 cu.yd. concrete (walls)	21.00	17.50	18.00	24.00	22.00	18.00	18.00
1,080 cu.yd. concrete (beams, slabs, ties, columns, baffles, troughs, etc.)	26.00	21.00	24.00	27.00	27.00	30.00	34.50
98,500 lb. reinforcing steel	.0425	.06	.04	.04	.0525	.05	.05
149.0 ton cast iron pipe (bell and spigot)	80.00	90.00	100.00	85.00	92.00	88.75	85.00
70.0 ton cast iron specials (bell and spigot)	160.00	166.00	180.00	175.00	175.00	175.00	185.00
74.0 ton cast iron specials (flanged)	195.00	264.50	210.00	200.00	196.00	205.50	225.00
250 lin.ft. relaying 30 in. cast iron pipe line	4.00	2.25	2.00	4.50	7.25	3.50	3.50
1 removing and replacing 20 in. gate valve, hub ends	80.00	125.00	35.00	60.00	33.00	35.00	40.00
1 36 in. gate valve, flanged ends, spur gear, ext. stem and stand	1,000.00	744.00	800.00	725.00	820.00	785.00	597.00
1 24 in. gate valve, flanged valve box	450.00	348.00	310.00	315.00	313.00	300.00	241.50
3 24 in. gate valve, flanged ends, bevel gear, ext. stem and stand	450.00	351.00	250.00	315.00	230.00	245.00	276.00
2 24 in. gate valve, flanged ends, handwheels	400.00	250.00	275.00	240.00	250.00	265.00	225.00
1 24 in. gate valve, flanged ends, etc. stem and stand	425.00	250.00	325.00	285.00	295.00	310.00	251.00

Concluded on page 348a

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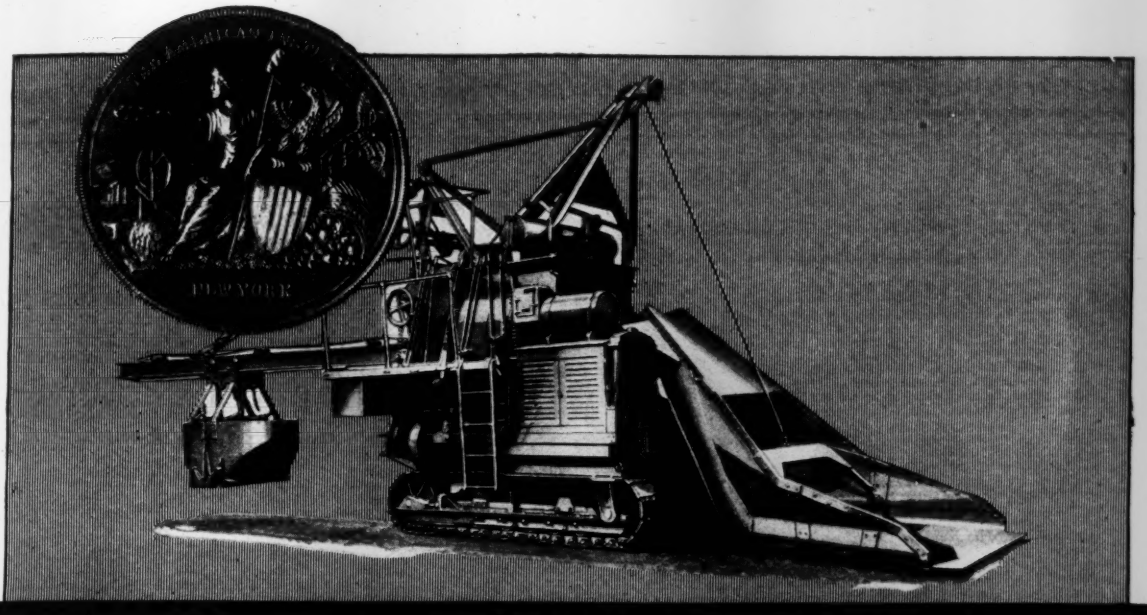
UNIT PRICES *continued on page 348a*



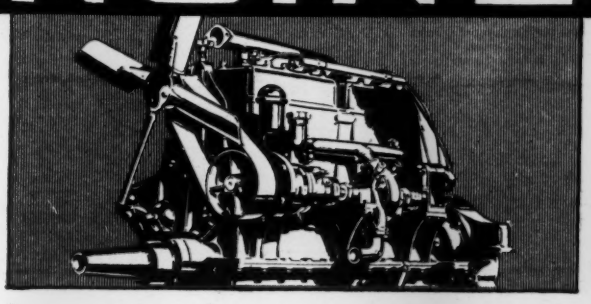
Foote Pavers

The award, to the Foote Co. of Nunda, N. Y., by the American Institute, of a Diploma and Gold Medal "in recognition of 25 years of public service in designing and building the concrete mixers which have constructed 30,000 miles of the Nation's concrete highways", is a matter of no small pride also to

Hercules Motors Corporation whose Engines were installed in the first gasoline mixers built by Foote—and have been standard equipment ever since.

HERCULES MOTORS CORPORATION, Canton, Ohio, U. S. A.

HERCULES ENGINES



UNIT PRICES

On actual contracts gathered by field correspondents, also those sent in by readers

Filtration Plant (Continued)

	A	B	C	D	E	F	G
2 removing and replacing 30 in. gate valve, hub ends and furnishing equipment	150.00	125.00	180.00	105.00	106.00	101.00	100.00
1 removing and replacing 20 in. gate valve, hub ends, by-pass, hand-wheel	100.00	150.00	36.00	55.00	38.00	36.50	100.00
2 16 in. gate valve, flanged ends, handwheel	175.00	125.00	135.00	120.00	125.00	132.00	112.00
4 12 in. gate valve, flanged ends, handwheel	110.00	75.00	80.00	75.00	75.00	80.00	61.20
2 10 in. gate valve, flanged ends, ext. stem and nut	90.00	50.00	66.00	55.00	69.00	66.00	44.50
3 6 in. gate valve, flanged ends, handwheel	45.00	28.00	32.00	30.00	32.50	31.00	25.20
1 6 in. gate valve, flanged ends, handwheel	45.00	28.00	25.00	30.00	23.00	25.00	21.90
2 6 in. gate valve, hub ends, valve box (open right)	45.00	35.00	40.00	35.00	41.25	40.00	31.20
2 6 in. gate valve, hub ends, valve box	45.00	35.00	40.00	35.00	41.25	40.00	30.90
1 4 in. gate valve, flanged ends, handwheel	25.00	15.00	16.00	18.00	15.00	16.00	13.20
1 3 in. gate valve, flanged ends, handwheel	20.00	12.00	12.00	15.00	11.00	12.00	9.90
16 18 in. gate valve, flanged ends, hydraulic cylinder	325.00	250.00	280.00	315.00	260.00	275.00	270.00
8 16 in. gate valve, flanged ends, hydraulic cylinder	275.00	198.00	230.00	260.00	210.00	221.00	221.00
8 12 in. gate valve, flanged ends, hydraulic cylinder	180.00	150.00	135.00	180.00	125.00	135.00	151.00
8 6 in. gate valve, flanged ends, hydraulic cylinder	90.00	75.00	85.00	85.00	77.00	81.00	76.00
2 30 in. sluice gate flanged ends, ext. stem and stand	750.00	430.00	345.00	405.00	315.00	335.00	281.00
8 24 in. sluice gate, flanged ends, ext. stem and stand	400.00	350.00	285.00	315.00	260.00	275.00	233.00
1 16 in. check valve, horizontal, flanged ends	200.00	150.00	180.00	170.00	165.00	175.00	159.00
6 12 in. check valve, horizontal, flanged ends	140.00	85.00	85.00	105.00	80.00	85.00	93.00
2 10 in. check valve, horizontal, flanged ends	90.00	62.00	60.00	85.00	55.00	58.00	74.50
1 6 in. check valve, horizontal, flanged ends	45.00	25.00	27.00	40.00	25.00	27.00	31.50
4 12 in. plug valve, flanged end, ext. stem and stand	140.00	70.00	100.00	115.00	95.00	100.00	98.50
2 10 in. plug valve, flanged end, ext. stem and stand	100.00	60.00	95.00	105.00	85.00	90.00	87.00
1 6 in. altitude valve, flanged ends	300.00	285.00	340.00	295.00	310.00	326.00	270.00
1 36 in. indicating, integrating and recording venturi meter	3,300.00	2,600.00	2,800.00	2,600.00	2,860.00	2,750.00	2,470.00
1 (alternate) 36 in. indicating, integrating and recording electric flow meter	1,200.00	760.00	785.00	630.00	787.00	755.00	635.00
1 36 in. indicating, integrating and recording electric flow meter	1,200.00	760.00	960.00	715.00	880.00	925.00	920.00
1 24 in. indicating, integrating and recording venturi meter	2,000.00	1,600.00	1,700.00	1,525.00	1,738.00	1,675.00	1,425.00
1 (alternate) 24 in. indicating, integrating and recording electric flow meter	1,000.00	600.00	770.00	550.00	770.00	735.00	607.00
1 6 in. indicating, integrating and recording electric flow meter	1,000.00	600.00	725.00	1,100.00	665.00	700.00	775.00
13 2½ in. hose valves, screw ends	20.00	20.00	13.00	32.00	12.00	12.75	19.00
900 lin.ft. 2½ in. galvanized, wrought iron pipe and fittings	1.00	1.30	1.80	1.05	1.65	1.75	1.80
230 lin.ft. 24 in. vitrified sewer pipe	2.50	2.60	3.00	2.20	3.00	3.00	3.70
160 lin.ft. 18 in. vitrified sewer pipe	1.75	2.50	2.25	1.30	2.00	2.40	2.10
140 lin.ft. 12 in. vitrified sewer pipe	1.25	1.35	1.60	.70	1.50	2.00	.95
300 lin.ft. 10 in. vitrified sewer pipe	1.00	1.30	1.40	.55	1.25	1.50	.75
70 lin.ft. 6 in. vitrified sewer pipe	.50	.75	1.00	.35	.75	1.00	.40
60 lin.ft. 4 in. vitrified sewer pipe	.30	.75	.75	.30	.60	.75	.35
8 operating tables	600.00	600.00	800.00	400.00	725.00	765.00	812.00
8 controller, loss of head and rate of flow gauge	1,200.00	1,250.00	1,100.00	1,200.00	1,050.00	1,125.00	1,170.00
8 filter under drainage system	950.00	770.00	710.00	540.00	660.00	695.00	608.00
335 cu.yd. filter sand	9.00	4.50	12.00	9.00	10.75	11.25	12.00
185 cu.yd. filter gravel	8.00	4.50	12.00	9.00	11.50	12.00	12.00
Dry feed machine and piping (lump sum)	1,500.00	2,180.00	1,650.00	1,850.00	1,525.00	1,625.00	1,375.00
Wash water tank (lump sum)	2,300.00	3,400.00	3,700.00	3,200.00	3,400.00	3,575.00	3,080.00
1 hydraulic sump ejector	150.00	800.00	160.00	190.00	145.00	155.00	108.00
Motor driven sewage pumps (lump sum)	500.00	1,300.00	1,350.00	600.00	1,237.00	1,300.00	905.00
Motor driven sump pump (lump sum)	1,000.00	1,020.00	1,125.00	700.00	1,022.00	1,075.00	820.00
Water level control equipment (lump sum)	600.00	670.00	700.00	550.00	650.00	685.00	690.00
Water level gauge	300.00	275.00	250.00	375.00	230.00	245.00	250.00
9,200 lb. misc. cast iron, wrought iron and steel	.15	.20	.13	.10	.20	.25	.20
70,000 lb. structural steel	.12	.275	.065	.06	.08	.08	.072
Brick masonry and accessory work (lump sum)	18,000.00	16,100.00	22,000.00	17,800.00	20,490.00	21,150.00	19,100.00
Cut stone masonry (lump sum)		2,250.00	3,000.00	2,380.00	3,195.00	2,600.00	3,050.00
27 M.B.Ft. lumber (superstructure)	100.00	95.00	100.00	90.00	200.00	150.00	150.00
23 M.B.Ft. lumber (baffles)	100.00	90.00	200.00	80.00	220.00	210.00	181.00
Steel sash frames and glazing (lump sum)	5,200.00	4,520.00	5,000.00	4,800.00	4,976.00	4,000.00	4,535.00
Doors, frames, metal partitions and glazing (lump sum)	8,400.00	7,900.00	8,000.00	7,700.00	12,248.00	13,750.00	9,000.00
1,450 lin.ft. railings	2.00	2.65	2.50	2.00	3.00	2.40	2.60
5,100 sq.ft. tile floor	.90	1.00	.50	.95	.98	1.20	1.20
2,940 sq.ft. marbleloid floor	.50	.50	.50	.65	.45	.40	.60
8,600 sq.ft. concrete floor hardener	.05	.03	.03	.03	.05	.05	.04
650 sq.yd. plastering	1.00	1.40	2.00	2.00	1.50	4.00	2.60
Roofing, sheet metal work and conductors	7,500.00	6,500.00	11,000.00	9,000.00	8,000.00	8,075.00	6,500.00
Painting (lump sum)	1,500.00	2,825.00	2,700.00	1,000.00	2,000.00	3,000.00	4,900.00
Plumbing (lump sum)	3,500.00	2,960.00	2,700.00	4,000.00	3,740.00	3,500.00	4,350.00
Heating (lump sum)	4,000.00	5,400.00	4,500.00	6,000.00	5,400.00	10,000.00	11,775.00
Electric lighting and wiring (lump sum)	5,000.00	3,720.00	8,700.00	4,000.00	5,500.00	4,500.00	6,679.00
500 lin.ft. steam piping, insulation and ducts (exterior)	8.00	4.25	4.50	8.50	12.25	11.75	12.00
500 lin.ft. (alternate) steam piping insulation and concrete conduit	20.00	3.60	13.00	11.00	12.25	20.00	23.50
500 lin.ft. (optional) 6-in. steam piping and insulation	4.00	3.60	3.70	2.60	3.75	18.00	6.50
230 lin.ft. (optional) 4-inch steam piping with insulation and ducts	4.50	2.25	2.50	4.70	2.25	6.25	6.50
75 lin.ft. (optional) 3-in. steam piping with insulation and ducts	3.50	2.00	2.30	4.50	2.10	6.25	6.30
Steam pipe mains (interior) (lump sum)	800.00	3,512.00	800.00	1,000.00	†	3,500.00	3,985.00
Electric refrigerator (lump sum)	2,500.00	1,600.00	1,500.00	1,000.00	1,725.00	4,850.00	1,735.00
Laboratory equipment (lump sum)	6,000.00	8,645.00	9,000.00	6,000.00	8,967.00	8,600.00	8,600.00
Freight elevator (lump sum)	3,000.00	2,800.00	2,500.00	3,300.00	2,400.00	3,000.00	2,229.00
3 brick meter and valve chamber	100.00	350.00	200.00	150.00	125.00	100.00	212.00
2 brick manholes	80.00	125.00	125.00	125.00	100.00	75.00	155.00
2 fire hydrants	100.00	80.00	85.00	70.00	100.00	90.00	75.00
Chlorinator (lump sum)	1,800.00	1,800.00	1,500.00	1,200.00	1,485.00	1,425.00	1,510.00
Totals excluding alt. items 43A, 45A and 84A, and Opt. items 84B, 84C, and 84D	$361,756	$360,565	$364,597	$377,811	$404,531	$417,706	$422,145

†Included in item No. 82.

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